



BARONA SPEEDWAY PONY STOCK RULES 2020

ALL CHANGES ARE HIGHLIGHTED IN YELLOW!

YOUR INTERPRETATION OF THESE RULES AND ANY WORK DONE ON YOUR RACE CAR IN AN ATTEMPT TO COMPLY WITH THESE RULES IS SUBJECT TO TECH APPROVAL. ANY MODIFICATIONS NOT ADDRESSED IN THESE RULES WILL NOT BE ALLOWED UNLESS APPROVED BY TECH OFFICIALS.

ALL DRIVERS AND CREWMEN ARE REQUIRED TO READ AND COMPLY WITH THE 2020 BARONA SPEEDWAY GENERAL RULES & RACE PROCEDURES.

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1. ELIGIBILITY

- A. Any 1970 or newer American and Foreign stock production sedan or mini pickup truck, rear wheel drive only.
- B. No 4 wheel/all wheel drive, convertibles, jeeps, sports cars, two seater, limited production or after-market specialty cars allowed.
- C. All cars will have a stock wheelbase of no less than 90" and no more than 104". Mini truck wheelbase must be between 101" thru 110". No car will have more than 1/2" difference side to side.
- D. All cars must weigh a minimum of 2100 pounds for cars with 2300 cc for anything over 2300cc there will be 100 lbs added for every 100cc (example 2600cc will weigh no less than 2400 lbs).
- E. All cars must remain stock for year, make and model per the manufacturers original specifications. The only exceptions are those contained in these rules.
- F. All casting numbers, manufacturer's name, logos, insignias, part numbers, etc. must remain intact and unaltered to be legal. YOU are responsible for what you run.

2. BODY

- A. Body must be complete for make and model. Body must be stock appearing, fiberglass or stock sheet metal. No aluminum. You may cover steel body with fiberglass doors and rear fenders only for appearance.
- B. All Stock Ponies must have a 5" "S" after the car numbers on both sides and roof.
- C. Body must have front and rear tires covered.
- D. Steel roof must match body type. (Ford on Ford, GM on GM, etc.). No lowering of roof.
- E. Stock type front and rear bumpers. No tube bumpers.
 - 1). Front and rear bumper height must be in stock location per make and model.
 - 2). All bumpers must be strapped to fenders or curved inward to avoid hooking of bumpers.
 - 3). No reinforcing of bumpers.
 - 4). Bumper brackets may be fabricated from 1/4" steel plate.
 - 5). A loop may be mounted inside rear quarter panels to prevent hooking, a 1/8" plate is recommended.
 - 6). All bumpers must be chained (minimum 5/16") or cabled to car frame for added support, subject to Tech approval.

- F. A mud deflector no more than 5" tall and 2' wide may be mounted on the hood and must not obstruct the drivers view.
- G. All glass must be removed from body.
 - 1). Windshield area **MUST** have a ½" maximum screen over entire area.
 - 2). Windshield area must have a minimum of three (3) vertical straps at least ⅛" x 1" to support the screen. All installations subject to Tech approval.
 - 3). ¼" round stock no less than 3" or more than 5" apart must be used in front of driver side of windshield for added protection.
 - 4). Non-reflective sun visor may be added to top of windshield opening.
- H. All exterior trim, door handles and antennas must be removed.
- I. All interior upholstery must be removed.
- J. Gutting of interior sheet metal is allowed.
- K. Front fender wells **ONLY** may be removed.
 - 1). Gutting of hood or rear deck lid is allowed.
 - 2). Stock firewall (front and rear), floor pan and rocker panels are required. Firewall must be in stock location.
 - 3). All holes in firewall or floor pan must be covered for driver's protection.
 - 4). Outer fender wells may be trimmed to a maximum of four (4) inches tire clearance.
 - a). All edges must be rolled and show good workmanship.
 - b). If fender wells are intact, a 6" hole must be put into each fender well to allow for fire extinguishing.
- L. All doors must be bolted or welded shut.
- M. Four (4) hood pins are required.
 - 1). Fiberglass front ends or stock replica are allowed.
 - 2). For complete fiberglass front ends, six (6) hood pins are required.
- N. An adequate firewall is required between fuel cell and driver's compartment. Rear firewall can be no further forward than the rear fender well with no less than 20 gauge steel.
- O. Stock appearing grill or mesh must be installed. Subject to Tech approval.
- P. Interior sheet metal in trunk area may be removed.
- Q. All body parts and sheet metal must be secured with pop rivets (no screws).
- R. Removal of dash optional. All sharp metal under and around dash must be removed.
- S. Headlight and taillight holes must be covered and show good workmanship.

- T. No mirrors or reflective surfaces of any kind are allowed.
- U. No spoiler, air dams, or bolt on hood scoops will be permitted.
- V. Rub rails are allowed, 1" x 2" tubing.
 - 1). Must be attached to door bars, mounted flush with door skin and cannot extend past either wheel opening.
 - 2). Rub rail ends must be beveled and capped.
- W. Full bodies are required at the beginning of each race event.
- X. Cars need to be clean with body panels intact at the beginning of each race meet.
 - 1). No sharp edges on body parts allowed.

3. **CHASSIS**

- A. No customizing, altering or reinforcing of chassis is permitted, except as noted in roll cage rules. Reinforcing of a chassis area due to damage fatigue will be allowed, but must be authorized by Tech PRIOR to repair.
- B. Wheelbase must be stock for year, make and model utilized.
- C. No special sub-frames are permitted.
- D. Must use stock sway bar. Sway bar mounting must be in stock location.
- E. One shock allowed per wheel in stock location.
 - 1). No special springs or shocks will be used. OEM replacement only.
 - 2). Gas shocks are allowed.
 - 3). Stock type mounts only.
 - 4). No aluminum leaf springs or spacers will be allowed. Adjustable shackles are allowed.
- F. Caster and camber may be changed by normal methods only.
 - 1). No cutting or welding.
 - 2). Solid material may be used in place of stock shims.
- G. Ground clearance is a minimum of 4". Ground clearance is measured at the lowest point of the frame or cross member.
- H. No spacer plates will be added to leaf springs.
 - 1). You may run uneven amounts of leaf springs from side to side.
 - 2). All leaf springs will be bolted together and U-bolted to the rear end housing.
 - 3). Axle sliders are not allowed. Leaf spring sliders are allowed.
- I. All replacement of frame sections must be approved by Tech.

- J. No weight jacks are allowed.
 - 1). No hydraulic or air jacks allowed.
 - 2). Spring spacers are allowed.
- K. No on board adjustable suspensions allowed.
- L. No air suspension.

4. **SUSPENSION, STEERING AND BRAKES**

- A. Strut cars may alter and or reinforce strut towers in order to achieve proper front end settings.
- B. All suspension components must be in stock location, front and rear.
- C. Cutting or welding of steering components is not allowed, with the exception of the steering column.
 - 1). U-joints can replace rag joints.
 - 2). All steering columns must be collapsible.
 - 3). Solid rods must be used for all steering rods.
 - 4). Steering shaft must be $\frac{3}{4}$ " x .120" wall tubing.
- D. Steering quickeners are allowed.
- E. Factory rack and pinion OK if factory for model being used.
- F. Stock working master cylinders must be in stock location.
- G. Stock brakes are required.
 - 1). All 4 brakes MUST be functioning.
 - 2). All brakes must be OEM for make and model.
 - 3). No slotting or cross drilling of rotors.
- H. No adjustable proportioning valves allowed.
- I. No cutting brakes permitted.
- J. No brake cooling vents or ductwork, with the exception of OEM backing plates or shields.
- K. No parking brakes allowed.

5. **ROLL BARS AND CAGES**

- A. Four (4) point minimum cage is required, that extends the width of the frame.
 - 1). No more than six (6) points allowed, including 2 rear kickers which must be attached to the frame within driver's compartment, in trunk area or at rear hoop.

- 2). Upright bars must be attached to floor or frame by a bolted plate (minimum 4" x 4" x 3/16") (6" x 6" x 3/16" for all new builds) with four (4) 7/16" grade "8" bolts or welded. Bolted plates must be secured with a minimum of four (4) 7/16" grade "8" bolts.
 - 3). No Galvanized, Aluminum, cast iron (black iron) or exhaust pipe allowed.
 - 4). Cage must meet Tech approval.
- B. A minimum of four (4) drivers side and three (3) right side horizontal door bars are required. No more than 7" gap between each horizontal bar with each bar welded to the roll cage. Vertical spreader bars on doors are required with a maximum 14" gap.
- 1). No butt welds on door bars unless bars are bent.
 - 2). It is required that the driver's door be plated with minimum 1/8" gauge steel.
 - 3). Plating must extend from forward "A" pillar down tube to completely behind driver.
 - 4). Must leave a 2" hole in front of door plating by front and rear down tubes.
- C. Cage must be minimum 1 1/4" O.D. steel tubing with minimum .095" wall thickness. Chromalloy minimum .065" thickness is allowed.
- D. Driver with helmet must completely fit inside roll cage.
- 1). It is recommended that the top of your helmet be a minimum of 2" below the bottom of the roof roll bars.
 - 2). Must meet Tech Approval.
- E. A front radiator hoop is allowed. Four (4) kicker bars may be linked between the radiator hoop and main cage.
- 1). Kickers allowed, if mounted behind radiator and in front of forward firewall.
 - 2). No more than 4 bars will be allowed through firewall.
- F. All cars will be required to have a middle windshield bar that runs from the roof bar downward to the dash bar. The windshield center bar MUST be round tubing at least 1 1/4" x .095".
- G. Tubing around and behind the fuel cell, no wider than the frame rails, is required.
- H. Rear hoop must be installed in trunk, behind the fuel cell, with 45 degree kickers for fuel cell protection.
- 1). A 1 3/4" tube or 1/2" x 1" square tubing may be mounted behind the fuel cell between the ends of the frame rails.
 - 2). No flat or angle stock will be permitted.

- 3). Tubing is allowed for fuel cell support only, and is subject to Tech approval.
- I. Front and rear cage must have some connection for tow truck to hook to. Track is NOT responsible for any damage that may occur while being towed.
- J. Cage and roll bar must be padded wherever driver may come in contact.
- K. Speedway bars will be permitted and cannot be connected to suspension.

6. COOLING SYSTEM

- A. Only one (1) radiator is allowed and must be mounted in front of engine. Aluminum radiators are allowed.
- B. Water only in the cooling system.
 - 1). No antifreeze or oil of any kind.
 - 2). Water wetter is allowed.
- C. A one (1) gallon catch can is required and must be securely mounted inside the engine compartment. No zip ties.
- D. An air scoop is allowed. Air scoop must not exceed width of radiator and must not extend more than 5" in front of radiator.
- E. A fan shroud is mandatory. Fan shroud must have a top and sides.
- F. Engine fans must be mechanical.
 - 1). All cars with a fan may have one engine fan only, mounted in stock location.
 - 2). No electric fans are allowed.

7. ENGINES

- A. The engine must be stock for make of car (Ford to Ford, Chevy to Chevy, etc.).
- B. Cylinder compression is limited to an absolute maximum of 180 pounds, measured with track gauge, at 5 revolutions with carburetor wide open.
- C. Engine block must be of an in-line 4 cylinder type.
 - 1). No Cosworth, dual overhead cam, rotary or quad valve motors allowed.
 - 2). 2 valves allowed per cylinder.
 - 3). No more than .060" overbore.
- D. Engine size will determine car weight 2300 cc is no less than 2100 lbs anything over 2300 will have 100 lbs added for every 100 cc. Weight will be located on the car by the discretion of the tech official and race director as needed.
- E. Engine must be in factory location.

- F. Aftermarket cams are permitted.
 - 1). No roller cams.
 - 2). Solid lifters are permitted.
 - 3). Roller rockers are permitted.
- G. No after-market aluminum heads allowed. Cast iron only.
- H. Heads may be milled or resurfaced, ported and polished.
- I. Fuel pump must remain in stock location.
- J. No external oil pumps allowed.
- K. No "PCV" valves allowed on any part of engine, including carburetor, E.G.R. plate, oil pan, valve cover, intake or exhaust manifolds.
 - 1). All unnecessary hose shall be removed and a plug will be installed in the E.G.R. plate and carburetor.
 - 2). No exceptions.
- L. No water injection.

8. CARBURETORS AND MANIFOLDS

- A. One carburetor allowed.
 - 1). Must be stock box stock carburetor no larger than 350 CFM.
 - 2). Subject to Tech approval.
- B. The only changes permitted to Holley 350 CFM carburetors are jets, functional power valves, and the removal of choke assembly. (i.e.: butterfly plate and linkage assembly only.) No cutting of any kind permitted.
 - 1). A maximum 1" adaptor plate with one gasket on top and one gasket on bottom is allowed.
- C. All carburetors must meet Tech approval.
- D. Fuel line from the fuel pump to carburetor must be made of steel or steel braid.
- E. All carburetors must have two (2) throttle return springs, one on the carburetor and one on the linkage. (One pulling forward, one pulling back.)
- F. Turbochargers, superchargers or ram air of any kind are not allowed.
- G. Standard size air cleaners only 3" x 14" maximum.
 - 1). Standard K&N filter okay.
 - 2). Flat steel top, steel bottom with air cleaner in between.
- H. No fuel injection. NO EXCEPTIONS.
- I. Porting or polishing of carburetors or manifolds is not allowed.

- J. Intake manifolds must be of stock OEM factory production only. If the intake manifold has bolts on top it must also remain stock.

9. FUEL CELL AND FUEL

- A. Fuel cell must be top fed with turnover valve and mounted in the trunk area behind stock steel firewall. Fuel vent tube must end with the final location below bottom of fuel cell.
- B. Fuel cell must be securely fastened between the frame rails in trunk area with a minimum of four (4) straps, 2 horizontal and 2 crosswise.
 - 1). Fuel cell is to be mounted behind the rear axle with the bottom no lower than the center of the rear axle.
 - 2). Straps are to be 1/8" x 2" minimum.
- C. There must be an 8" diameter hole in the trunk floor to assist in fire extinguishing.
- D. Fuel cell must be enclosed in a minimum of an 18 gauge steel box with the filler spout located in the trunk compartment.
 - 1). Fuel cap must be tethered to the fuel cell with a chain or cable.
 - 2). Ground strap from fuel cell to cage/frame is mandatory.
 - 3). Zip ties or any other fastening devices are not acceptable.
- E. Fuel cell must be foam filled.
- F. No pressurized tanks.
- G. Gasoline or racing fuel only.
 - 1). Gasoline cannot be mixed with alcohols, ethers, aniline or its derivatives, nitro compounds, compounds containing nitro or other oxygenates.
 - 2). No icing, cooling of fuel or cool cans permitted in the pits or racing area.
- H. Fuel line may be run through driver's compartment, but must be completely enclosed in steel tubing and sealed at both ends. Subject to Tech approval.
- I. No electric fuel pumps.
- J. No glass or plastic fuel filters are allowed.

10. TRANSMISSION, DRIVELINE AND REAR END

- A. Transmission must be stock for motor and chassis, Ford for Ford, Chevy for Chevy, etc.
- B. All transmissions must have a working forward and reverse gear.
- C. Stock clutch and flywheel only. Flywheel may be lightened to a minimum of 14 lbs.
- D. No mini clutches allowed.

- E. No transmission coolers allowed inside driver's compartment. Transmission coolers are to be inside engine compartment only.
- F. Scatter shield, blanket, or ¼" steel plate mandatory for all transmissions.
 - 1). Conveyor belt material is also allowed.
- G. A 1" inspection hole in the bell housing accessible to Tech Officials is mandatory. If you choose not to install the inspection hole, you will be required to remove the bell housing to provide access to clutch and flywheel. All costs will be at your expense.
- H. Drive shafts must be painted white.
- I. Driveshaft hoop is required 12" from front U-joint, under floorboard around driveshaft.
- J. No aluminum drive shafts or rear end housings allowed.
- K. Rear end and housing and overall width must remain stock for chassis, Ford for Ford, Chevy for Chevy, etc.
- L. Locking of rear ends is permitted.
 - 1). No Detroit locker.
 - 2). Limited slip, Positrac, Quicktrac or any other ratcheting, slipping or equalizing device is not permitted.
 - 3). Steel replacement mini spool is OK.

11. EXHAUST

- A. Headers are not allowed. Ranger manifolds are allowed.
- B. Mufflers are mandatory. Mufflers cannot be home made.
- C. Muffler must be visible to Tech.
- D. Exhaust must exit behind driver. Subject to Tech approval.
- E. Running exhaust through inside of car is not allowed.
 - 1). Exhaust pipes must be completely sealed from any possible contact by driver or rescue crew.
 - 2). Subject to Tech approval.

12. ELECTRICAL SYSTEM

- A. One passenger car battery per vehicle.
 - 1). Battery must be moved to inside of vehicle in passenger compartment or trunk.
 - 2). If the battery is located in passenger compartment, it must be fully enclosed and secured in an approved metal battery box and securely fastened to floor.

- 3). Positive battery cable & terminal must be covered with non-conductive material.
- 4). Dry cell highly recommended.
- B. No magnetos allowed.
 - 1). No triggering systems allowed.
 - 2). No MSD type box is allowed with stock distributor.
- C. All cars must have a master kill switch clearly marked with "ON" and "OFF" locations.
 - 1). Kill switch must be within drivers reach and reachable from outside of car by rescue crews.
 - 2). Location must be on the speedway bar or center cage to the right of the driver.
- D. All cars must have starters mounted in the stock location and be self-starting at the beginning of the race day.
- E. All cars must have a properly functioning tachometer.

13. **WHEELS AND TIRES**

- A. Only heavy duty or spoke steel wheels may be used and must be of the same offset.
 - 1). No aluminum or alloy wheels will be permitted.
 - 2). Maximum wheel size to be 13" x 8".
- B. Tire tread width is 9" maximum.
- C. 9/16" or larger wheel studs mandatory on all 4 wheels.
- D. Valve stem location is optional. No bleeder valves are allowed.
- E. All wheel weights will be on the inside of the wheels.
- F. All cars will run Hoosier tires.
 - 1). Tires must be purchased from the track authorized Hoosier tire distributor.
 - 2). All tires must be branded by the track.
- G. Bead locks permitted on right rear only.
- H. No tire softeners.
- I. Inner tubes are allowed.
- J. No electronic traction control devices allowed.

14. WEIGHTS

- A. Weights must be painted white and stamped with car number, bolted securely no lower than the bottom of the frame member.
 - 1). All bolted weight and location must be approved by Tech.
 - 2). No bolt on weight less than a 5 pound block.
 - 3). Weights must be bolted with a minimum of two ½" grade "8" bolts subject to tech approval.
 - 4). Bolt on clamps okay, 2 per weight.
- B. No lead weight may be mounted in the car's interior.
- C. Track scales will be the official weight.
- D. Driver will be fined \$25.00 per piece for all weight that "falls" off the racecar during a race.

15. SAFETY EQUIPMENT

- A. Driver's Suit:
 - 1). A SFI approved flame retardant driver's suit is mandatory. No polyester clothing of any kind is allowed.
 - 2). Neck collar or a Hans type device is mandatory.
 - 3). No flight suits allowed.
 - 4). Racing gloves mandatory. No welding gloves, gardening gloves, etc.
 - 5). Racing shoes or leather boots required. No nylon shoes are allowed.
- B. Helmet:
 - 1). A full face shield, Snell 2015 or newer helmet with proper identification is mandatory and must have no signs of previous damage.
 - 2). Helmet must be SA rated.
 - 3). M rated helmets are not allowed.
- C. Driver's Seat:
 - 1). A commercially manufactured racing seat with padded headrest securely mounted and attached to roll cage in a minimum of four (4) locations – two (2) on the bottom and two (2) on the back of the seat with 5/16" grade "8" bolts is required.
 - 2). Fiberglass seats are not allowed.
 - 3). Seat cannot be mounted to the floor.
- D. Driver's Harness:

- 1). A SFI certified, quick release 5-point racing harness is mandatory. Must have 3" wide lap and shoulder belts and a 2" wide submarine strap.
 - 2). Harness must be date stamped no more than three (3) years old from the present date.
 - 3). Belts must be bolted to cage with grade "8" minimum 5/16" bolts.
- E. Window Net:
- 1). A driver's side window net, minimum 1" mesh is mandatory.
 - 2). No string nets or close net off road type nets allowed.
 - 3). Window net release must be in front at the top of the window and workable from inside and outside of car.
- F. Steering Wheel:
- 1). Removable steering wheels are mandatory and must lock securely to the steering column.
 - 2). Center of steering wheel must be padded.
- G. Eye protection, helmets, harness, neck collars, gloves and driver's suit must be worn at all times when on the racing surface.
- H. Fire Extinguishers:
- 1). A minimum 2-lb. Halon or dry chemical fire extinguisher with a charge indicator is mandatory. Fire extinguisher must be mounted with quick release and within easy driver's reach while fastened into seat.
 - 2). Each pit area must also have an extinguisher located either within the hauler by the door or in the trailer. A 5-lb. ABC type extinguisher is the minimum size for this application.
- I. Radios:
- 1). A one-way raceceiver, scanner, or radio set to officials frequency designated by Track Officials is mandatory at all times while on the racing surface.
 - 2). Radios will be used strictly for line-ups and general information from race controller only.
 - a). Radio to be provided by driver.
 - b). If radio is found to have 2 way communications, car and driver will be suspended for 4 races and driver will be fined \$250.00.
 - 3). A driver is allowed a 1 race per year exception in case of equipment failure or forgetting to bring the radio and must start in the back of their races. If driver does not have a functioning radio after 1 race grace period, they will start in the back of all their races and will be fined \$50.00, paid before next race day.

- 4). All radios are to be mounted on back of drivers' headrest and accessible by officials.
- J. No driver shall compete in any event with head or arm extended outside the confines of the roll cage. Failure to comply will result in immediate black flag and removal from race.
- K. Car and driver will be required to fix safety violations, PRIOR to racing in any event.

16. INTERPRETATION OF THE RULES

Though we have made every effort to provide rules that will be clear and precise, should there be any confusion in your interpretation, **ASK!! IGNORANCE IS NOT AN EXCUSE!** If a specific issue is not addressed in these rules, the official's decision is final. Any modifications not addressed in these rules will not be allowed unless approved by the Tech.

We want all cars to be competitive with each other in their division. If you do something with your car that has been overlooked in these rules that we feel gives you an unfair advantage over your competitors, YOU will be required to change YOUR car.

These rules are provided to maintain orderly conduct of racing events and to establish requirements. By participating in Stock Pony events at Barona Speedway, each driver agrees to comply with these rules and all general rules of the Speedway.

Should your car be found in violation of these rules it will be the Tech's discretion as to what action will be taken. A minor 1st time infraction may allow you to race that night, but require you to make necessary changes prior to the next race.

Any rule infraction will be given to you in writing. Should a racing advantage rule infraction be found, you may be asked to start in the back, or may not be scored or allowed to place in that event. You also may have to add weight to your car to compensate for the infraction. The amount of weight to be added will vary depending on the infraction, and will be determined by the Tech. You will need to find the weight required yourself, it will not be provided. Changes will need to be made to your car to comply with the rules prior to the next race night.

These rules will be in effect throughout the 2020 racing season. These rules are in no way meant to imply any guarantee of safety. There is no guarantee against injury or death to participants, spectators or others.

These rules may be amended at any time by the Official. Changes may be made for safety, or to keep the competition close.

The Barona Speedway management appreciates your cooperation in complying with these rules. We wish you all a safe and successful 2020 racing season.