

ELKO!

Racing • Eve of Destruction • Drive-In

HORNET RULES

** These rules may be amended at the official's discretion. **

No additions, subtractions, alterations, or non-OEM type parts allowed unless specifically allowed in the rules.

1. **Models:** Any 3 or 4 cylinder, front wheel drive compact car. Maximum wheelbase is 104". No Honda Del Sol or CRX cars.
2. **Bodies:** No modifications to the body allowed. All interior upholstery and trim must be removed, except stock driver's seat. Dash and driver controls must remain intact and in stock location. Cars with the dash removed must install a 1 3/4" OD, .090" wall thickness pipe from A-pillar to A-pillar at dash height. All under-hood insulation must be removed. Sunroof openings must be covered with minimum 22-gauge steel. Hatchback models may remove hatch. Hood and trunk must be secured with hood pins only. Light openings may be covered with 24-gauge steel. Floor and front & rear firewall must be complete. Holes must be covered with 24-gauge steel. Body and interior metal must remain strictly stock. No removal or addition of metal except as specified. A driver's doorplate is required. The doorplate must be a minimum of 3/16" thick X 8" tall, extend at least 4" past each door seam, and be mounted so the bottom is 16" from the ground. The passenger door must be secured by a chain only. No aftermarket wings or vertical stabilizers may be added. Aerodynamic devices that are stock as manufactured for make and model are permitted.
3. **Bumpers:** Bumpers must be chained to the frame/unibody. No bull-work. If the front or rear bumpers have become damaged beyond reasonable repair, they may be replaced with straight thin-wall seamed exhaust tubing of reasonable size. The ends must be capped, and there must be no sharp edges or corners. Approval by the Tech Officials is required.
4. **Glass:** All glass, except windshield, must be removed. A properly braced, 1/8" thick, Lexan windshield may be used. Properly braced heavy screen may be used. 1 mirror per car, any location. Interior: max 36 sq. in., single focal point. Exterior: 4" diameter round, single focal point, no convex or concave.
5. **Roll Cage:** Roll bars are not required, but may be installed. A 4-point roll cage with halo must be constructed of 1 1/2" roll cage tubing with a minimum wall thickness of .090". Tube ends must meet the floor with 6" X 6" X 1/8" sandwich plates and be bolted in place. Main hoop must be full width and height of driver's compartment. A horizontal bar to support the seat back is required. If a roll cage is not installed, a 1 1/2" OD, .090" thickness roll cage tube must be welded between the 'B' pillars to support the seat back. This seat support bar is also the preferred location to anchor the shoulder harness. All welds must be made with an electric welder.
6. **Engine:** Stock engine for the make and model from the air inlet to the exhaust pipe. No V-TEC dual cam engines or any make of variable valve timing engines. With Tech Officials approval; Engine swaps will be allowed. Cars of similar year, make, sub-model may interchange engines. (For example: Escort LX with an Escort GT engine.) The PCM must match the engine. No chips or high performance fuel injection parts or systems. Swapped engines must be OEM stock.
7. **Electrical:** Stock 12-volt electrical system only. OEM size 12 volt battery required in the stock location, and be secured with, at minimum, 1/8" X 1" steel strap and 5/15" hardware. Stock wiring only without modifications, unless approved by the tech officials. All exterior lights must be removed. No brake lights allowed.
8. **Cooling System:** Any stock radiator allowed that will fit in the stock mounts. An overflow container must be mounted in the engine compartment. Water ONLY in the cooling system; NO ANTIFREEZE.

9. **Exhaust:** Exhaust system must be sealed from the engine to the tailpipe opening. Exhaust must exit behind the driver. Mandatory: Tail pipe must be 20" long, 1 ½" OD maximum. OD of tailpipe may decrease as competition levels increase. Decibel limit for each car is 100 dB, measured from the middle of the grandstand.
10. **Fuel System:** A clearly marked fuel shut-off valve and/or fuel pump shut-off switch must be installed within reach of the safety officials. No fuel lines of any kind in the driver's compartment. All other fuel system components must remain stock.
11. **Fuel Tank:** If the stock fuel tank is in front of the rear axle, it must remain in place. If the stock fuel tank is behind the rear axle, it must be replaced with a fuel cell or an approved fuel tank (maximum capacity of 6.6 gallons.) The tank must be securely mounted using a minimum of 1/8" X 1" steel strap with minimum 5/16" hardware. The tank must be mounted in the rear-center of the trunk area. There must be a steel firewall between the tank and the driver. Hatchback models must cover the fuel tank with a sealed steel enclosure. Cars from the 2010 season that have had the fuel tank moved to the trunk area, will be allowed to leave their trunk mounted tank in place, provided that it is centered in the vehicle and there is a steel firewall in place.
12. **Drive Line:** Stock transmission/transaxle with all gears in working order.
13. **Suspension:** Suspension must remain completely stock. Suspension may be modified for the purpose of adjust camber. No cutting, buffing, grinding, drilling, welding or other modification will be permitted. OEM stock shocks and struts must be in original stock locations and positions. No mixing of shock types. Shocks must be the same length side to side. No adjustable shocks. Stock unaltered springs only. No spring spacing or wedge setting devices. Ride attitude must be maintained. Stock rubber suspension bushings only. Sway bar end link bushings may be urethane. Sway bars must remain as manufactured. Sway bars are permitted front and rear, but must be stock. Maximum camber is +/- ½", both front and rear. Bump stops must be removed.
14. **Steering:** Steering must remain completely stock. Steering wheel may be removable. Center of steering wheel must be padded.
15. **Brakes:** Braking system must remain completely stock. All 4 brakes must be functional.
16. **Tires:** Track tires (listed in the tire rule) and/or highest of 9H rated tire. Maximum tire size is 195 width, 60 series & 15" diameter. Both front tires must be exactly the same, and both rear tires must be exactly the same; however, the front tire brand does not have to match the rear tire brand. No use of tire softener or altering of the tires in any way.
17. **Wheels:** Wheels must match exactly per axle. Maximum wheel diameter is 15". No wheel spacers or wheel adapters. Bassett Brand Steel Racing Rims are now authorized for competition. Specs are 15"x7" with 4" back spacing, 21lb minimum weight. Please order matching lug nuts for your car when ordering rims.
18. **Weight:** No ballast may be added.
19. **Seat:** An aluminum-racing seat is strongly recommended. Seat belt and shoulder harness must be used. A 5-point racing harness is recommended.
20. **Safety:** A driver's window net is required. A DOT approved or better helmet is required. Drivers must wear a long sleeve shirt, long pants, gloves and eye protection. A fully charger fire extinguisher, securely mounted, within the drivers reach, is required. See also General Rules for additional safety equipment requirements.

Amendments: