



SECTION 18 - POWER STOCK/UNI-CAR 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.

This class of car is for the economically minded entry-level racer, with minimum modifications, most being safety related. American made OEM stock production rear wheel drive passenger cars with complete OEM stock magnetic steel bodies and frames. Cars and all components must be OEM stock production, OEM stock appearing, in OEM stock location with no alterations unless specified in the rules. No unibody cars, Camaros, Firebirds, Mustangs, Novas etc.

1. **Models:** Stock, American made (Ford , GM or Chrysler), off the street, rear wheel drive, passenger cars as purchased from the factory with no modifications or alterations except as specifically allowed in these rules. No convertibles, station wagons, trucks, jeeps etc. Sedans are strongly recommended. Wheelbase must not be less than 112". No Cameros, Dusters etc.
 - a. Vehicles with OEM stock fuel injection are allowed with the tech officials pre-approval.
 - b. Special safety rules will apply for these newer cars.
 - i. Fuel tank in front of rear axle may remain in stock position.
 - ii. Electric fuel pump must have a safety shut-off switch located behind the driver.
2. **Bodies:** No cutting of wheel openings, hoods, etc. If dash is removed, a 1 3/4", .090 thick pipe must be welded from A-pillar to A-pillar. No reinforcing of any body panels. The stock body to frame mounts may be removed. 'Regulation Ice Hockey Pucks' must be used if the stock body mounts are removed. A maximum of 18-gauge steel may be used for body panel repair. Front inner fenders may be removed. Doors must be welded or chained shut. Doors may only be welded on the rear edge, with a maximum 8" bead. Sedans may remove the driver's door window frame. Doorplates are required on both sides of the car if the car will be run in Figure 8 competition. The doorplates must be a minimum of 12" tall by 1/4" thick, and extend 6" ahead of and 6" behind the door seams. The doorplates must contour the body, and may be of more than one piece and welded together. The doorplates may be bolted or welded to the car. The front and rear may be welded the height of the doorplates. The top and bottom may be skip welded and have a total of 16" of bead. The doorplate may not be braced to the frame. The cloth interior must be removed. No interior metal may be removed. Driver's door may be gutted for side bar clearance only. The rear seat must be removed and all holes to the trunk area covered with sheet steel. Holes in the floor and firewall must be covered with sheet steel. Exterior trim must be removed. Hoods must be secured with 2 hood pins not to exceed 8" in length. Trunk springs must be removed.
3. **Frame repair:** Steel repair pieces may be no more the 1/4" thick X 24" long and no taller or wider than the section of frame being repaired. The repair piece must have a 5/8" hole drilled through the face for inspection. Only 2 sides of the frame section to be repaired may be plated. No other repairs to the frame may be done within 24" of a repaired section.
4. **Bumpers:** Stock bumpers for model of car. All cars with shock type bumpers must secure the bumper to the frame by welding or bolting chains or straps to the bumpers so they won't fall off.

Minimum chain size is 1/4" rod. Bumper straps connecting the bumper to the fenders are required and must be no more than 6" wide by 12" long by 1/8" thick steel. No cut-off bumper ends. No trailer hitches.

5. **Glass:** The windshield must remain intact. Minor cracks may be taped. The windshield may be replaced with a properly braced 1/8" thick Lexan. (2 braces near center) All side windows and rear window must be removed. Maximum 2 mirrors per car, any location. Interior: max 36 sq. in., single focal point. Exterior: 4" diameter round, single focal point, no convex or concave.
6. **Roll Cage:** A 4 or 6 point roll cage, with optional halo, must be constructed of 1 3/4" roll cage tubing with a minimum wall thickness of .090". Tube ends must be welded to the car frame. Unibody cars must secure the cage to 10" X 10" X 3/16" sandwich plates bolted through the floor. No roll bar may extend in front of the gas pedal, or behind the rear axle. Door bars may be added to both sides. Inside door panels may be cut for door bar clearance. All welds must be made with an electric welder. Bars may not run diagonally through the driver's compartment or between the driver's seat and the right side of the car.
7. **Engine:** The engine must be completely stock, cast iron, mass-produced for street use. Engines can be, Ford to Ford, GM to GM and Chrysler to Chrysler only. Maximum displacement is 350 CID plus .060" overbore for GM, 351 CID plus .060" overbore for Ford and 360 plus .060" overbore CID for Mopar. OEM firing order only. Maximum compression ratio is 9.5 to 1. Heads and block must match year of body and chassis. No inter-marriaging of engine parts. GM 305 heads may only be used on a 305 CID engine. The intake and exhaust manifolds and the heads must be unmodified OEM stock cast iron. No aluminum, super duty, made for racing, etc. parts. No Corvette center-dump or other performance manifolds. Flat tappet hydraulic camshaft and lifters only. Stock type rocker arms only. Maximum valve size: GM: 1.94 intake, 1.50 exhaust. 'Smogger' heads only. No roller rocker arms. Maximum valve lift, is .420" for small block Chevy, and .460" for all other engines. Screw-in studs and guide plates allowed. Aftermarket valve covers and breathers are allowed. No ducting to air cleaner. Aluminum crankshaft & water pump pulleys are allowed.
 - Approved Chevy Head Listing:

• Casting:	Valve size:	Chamber:	Years:
• 3998993	1.94/1.50	76CC	68-79
• 3973487	1.94/1.50	76CC	68-79
• 3932441	1.94/1.50	76CC	68-79
• 3917293	1.72/1.50	75CC	
• 462624	1.94/1.50	76CC	76-87
• 462624	1.72/1.50	76CC	75-86
• 376445	1.94/1.50	76CC	
• 333882	1.94/1.50	76CC	70-80
8. **Electrical:** Stock 12-volt electrical system only. The battery must be mounted in the engine compartment on the firewall, or behind the driver's seat. The battery must be secured in place by, at a minimum, 1/8" thick by 1" wide steel strapping and 5/16" grade 5 hardware. If the battery is behind the driver's seat, it must be in an approved battery box with a cover. Stock size battery for the car. A master disconnect switch, located behind the driver is suggested. OEM stock 12-volt ignition system only; no performance ignition coils or modules. No brake lights allowed.
9. **Cooling System:** Aluminum radiators allowed. A fan shroud is required over the top 1/2 of the fan. A coolant overflow container must be mounted in the engine compartment. Water only in the cooling system; NO ANTIFREEZE.
10. **Exhaust:** Exhaust must extend back past the driver and exit underneath the car. 2 1/2 "OD maximum exhaust pipe diameter. Decibel limit for each car is 100 dB, measured from the middle of the grandstand.
11. **Fuel System:** The carburetor must be OEM for the type of engine used only. Ford and Chrysler cars may use the 500 cfm 4 bbl. Edelbrock carburetor (model #1403 or #1404) with no modifications except jets, metering rods and metering springs. No special order, optional equipment, or other high performance carburetors, including 'truck' and Holley carburetors. No

modifications to the carburetor allowed. The choke plate and choke hardware may be removed. No fuel injection of any kind. Stock type fuel pump only; no electric fuel pumps. No fuel lines in the driver's compartment. No Holley carburetors in 2013. Only 2010 registered Power Stock cars may use a Holley 500 cfm, model 4412, carburetor. (4412 Holley not allowed at Raceway Park.)

12. **Fuel Tank:** The stock gas tank must be removed. A fuel cell or marine tank must be securely mounted on or above the trunk floor, using steel straps, rods or bars. The tank must be mounted centered in the trunk side to side and as far forward as feasible to be protected from rear end collisions. A fuel shut-off valve must be installed near the fuel tank, and be clearly marked 'ON' & 'OFF'. Refilling must be done by opening the trunk; quick fill doors are not allowed. No plastic fuel tanks. No homemade fuel tanks after the 2012 season. Maximum fuel tank size is 12 gallons.
13. **Drive Line:** Any factory production automatic transmission with functional torque converter as long as it remains Ford-to-Ford, GM-to-GM and Chrysler-to-Chrysler and has a minimum diameter of 11". No 2-speed automatic transmissions allowed in cars newer than 1968. 3-speed and 4-speed/overdrive automatic transmissions only. Add-on transmission coolers allowed. Tubing to cooler must be steel. Maximum of 4" of hose per line at the cooler, with 2 hose clamps at each hose connection point. Any type shifter allowed; must be able to engage all gears and park. No locked or 'posi' differentials including alterations to make the differential lock at any time. No camber, toe-in or toe-out in the rear axle. The driveshaft must be painted white, and have a 'U' hanger.
14. **Suspension:** All suspension components must remain completely and strictly stock for make, model and year of car. Urethane control arm bushings allowed. No special order, police, taxi or other performance suspension components. OEM or stock replacement springs only. No racing or rated springs allowed. Must be the same size left and right. Maximum front spring wire diameter is .750". Springs may be cut, but must have the same number of coils and be the same height side to side. No spring spacers, wedges, shims or any type of adjustable suspension devices. OEM or replacement shocks must be in the original position and use the original mounts. Retail price of shocks is \$40.00 or less each. Maximum sway bar diameter is 1 1/8". Urethane sway bar bushings are allowed in the link ends only. Sway bar links must be the same length left a right. No rear sway bars or components. Maximum camber is 1 1/2".
15. **Steering:** Steering must remain completely and strictly stock. Steering wheel may be removable. Steering wheel center must be padded. Stock type replacement parts only. An aftermarket 'Hobby Stock' style power steering pump may be used. The remote reservoir type is recommended to help with fluid cooling. Power steering coolers allowed, but may not be mounted in front of the radiator or rear of the firewall.
16. **Brakes:** Brake system must remain completely stock. Drums and rotors must be stock size for car. Calipers and wheel cylinders must meet OEM specifications for car. No brake bias adjusters. All 4 brakes must work.
17. **Tires:** Hoosier spec tires will be phased in and may be purchased from Elko Speedway or Raceway Park. May run all 4 Hoosier spec tires or all 4 2011-legal tires as described below. (2011 legal tires will not be legal for 2013) Tire sizes allowed are: 205, 215, 225 & 235 width; 78, 75, 70, or 65 series; 15" diameter. Tires must have an 'S' or 'T' rating. 225 & 235 width tires have a price limit of \$100.00. All other tire widths have a price limit of \$80.00. No performance tires. Tires must be available to the general public at normal retail outlets. (The 'internet' is considered a normal retail outlet.) Tires must be currently in production. No use of tire softener or altering of the tires in any way. Shaving is allowed. Drivers must provide proof of purchase price when requested by the officials. (Keep a receipt or valid ad in your hauler!) 2011 Towel City recaps may also be used.

18. **Wheels:** Stock factory steel wheels or racing wheels with an offset of not less than 3" only. Maximum wheel width is 8". All 4 wheels must be 15" diameter. 1" lug nuts are required on all wheels. 5 lug nuts are required on all wheels.
19. **Weight and Ride Height:** No ballast of any kind allowed. Minimum ride height is 4½" at the front cross member and the rear lower suspension mount points.
20. **Seat:** An aluminum-racing seat is strongly recommended. Seat belts must be used. A 5-point racing harness is strongly recommended.
21. **Safety:** Figure 8 & Flag-pole: window net is not required; Cruiser: window nets are required for both drivers; Oval track: driver's window net is required. A fully charged fire extinguisher, securely mounted, within the drivers reach, is required. See also General Rules for additional safety equipment requirements.
22. **2-Person Cruisers:** Throttle must be located to the right of the transmission hump. Person located on the right must operate the throttle.

Amendment 3-28-12

Body: Spoilers are allowed. Maximum spoiler height is 5" measured from the deck lid up, along the spoiler surface. Maximum surface area of the spoiler is 300 square inches. Spoiler must be single plane, and centered on the car. Side skirts are allowed. Side skirts may not extend beyond the wheel well openings. Side skirts must maintain a minimum 6" ground clearance.