



NOW600 Cactus Region

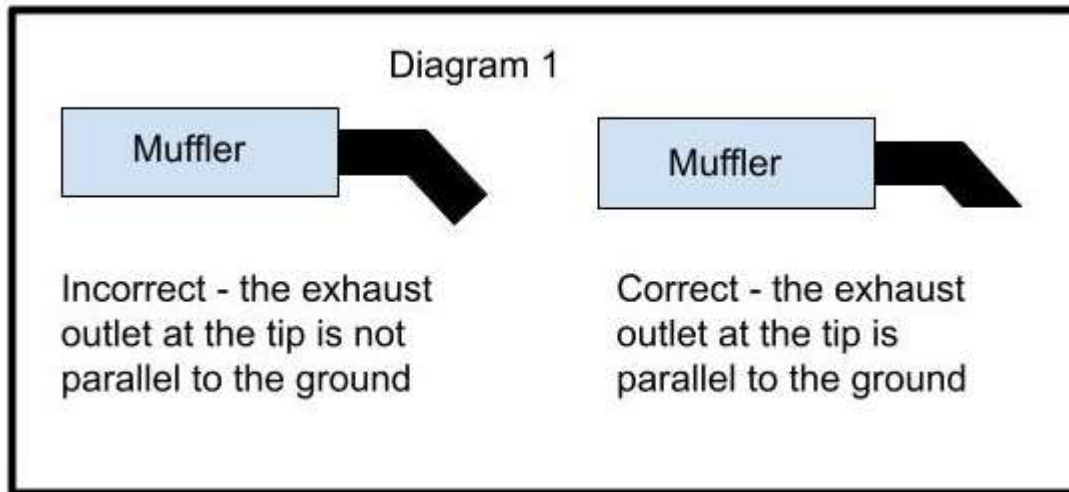
Car Construction Rules for 2025

This booklet contains the official car specifications for ALL sanctioned events of the NOW600 Cactus Region Series.

SECTION 1: CAR SPECIFICATIONS

- 1.1 - Appearance:** All cars should be painted. Cars will be clean prior to heat races. Any damage to a car will not cause disqualification but must be repaired prior to the next night's racing. The exception to this will be a car with damages deemed to be a safety issue by track officials.
- 1.2 - Body:** All cars must have complete bodies. The intent of this rule is to eliminate any add-on panels of any type which could be considered an airfoil or sideboard. Tail sections must be in place for time trials and all races. There must be a metal firewall (Carbon is allowed) between driver and engine, made of 24-gauge steel or .0625: aluminum. Body of car must be made of aluminum, metal, fiberglass or high impact plastic. All cars must be painted an attractive color or colors. No rear-view mirrors.
- 1.3 - Brakes:** Type optional. No hand operated brakes allowed, unless approved by NOW600 officials. Brakes must be sufficient strength to slide wheels or stop the car while in motion.
- 1.4 - Bumpers:** Car must have bumpers extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of the tires to the bumpers. Nothing may extend beyond the outside edge of the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. Bumpers must be securely mounted (no zip ties, pop rivets, etc.)
- 1.5 - Front Bumpers -** No Longer than 9" from the leading edge of the torsion tubes to the leading edge of the front bumper.
- 1.6 - Nerf Bars:** All cars must be equipped with nerf bars. Left side nerf bars may extend no more than one inch past the left rear. Right rear nerf bar must not extend past outside edge of tire. Nerf bars must be securely mounted (no zip ties, pop rivets, etc.)
- 1.7 - Chain guards:** Chain guards will be installed on all cars where chains are exposed to the driver and/ or other participants. The chain guard, using a minimum of .090 aluminum material or equivalent, will run on top of the chain from front of front sprocket to the vertical centerline of the rear sprocket. The guard must be installed in such a manner that the driver cannot touch the chain and/or sprockets while sitting in the driver's seat.
- 1.8 - Frame:** Type optional. No aluminum
- 1.9 - FUEL:** Methanol or Ethanol only, NO NITRO or additives allowed (top end lube is allowed). Fuel subject to be checked anytime by NOW600 officials. NOTE: Fuel samples may be taken for analysis and prize money may be withheld until results are known. (Penalty for fuel infraction will result in forfeiture of all points and moneys won during event detected, and a fine up to \$1000 for first infraction. 2nd infraction subject to suspension up to 1 calendar year.)
- 1.10 - Fuel tank:** Type optional. All cars are mandatory to have either a bladder or safety cells. This is for YOUR DRIVER'S protection. Fuel cell must be securely mounted. Tanks used in qualifying must be used for all events. No flammable liquids in cooling system.

- 1.11 - Fuel System:** A fuel shut off valve at the rear of the car is recommended and must be marked on the body for safety crews if on the car. A fuel cut-off Relay switch is required for all cars with an electric fuel pump that turns the fuel pump off when the engine stops running. All fuel tanks must be equipped with a one-way check valve designed to prevent the spillage of fuel from the fuel tank vent in the event of a rollover.
- 1.12 - Electric's and Electronics:** On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be connected and functional. No radio communication is allowed with the car or the driver. No mirrors allowed.
- 1.13 - Mufflers are MANDATORY!** Schoenfeld #MS101721-1 ¾" inlet or MS102022-2" inlet with a turndown and the exhaust tip parallel to the Ground (see diagram 1) If a muffler or turndown falls off the car or is not mounted in its correct spot, that car will be DQ'd for that race.



- 1.14 - Numbers:** All cars must have legible numbers painted in contrasting colors on both sides of car and the nose. Minimum height of numbers is 8" on the nose , 10" on each side of the tail and 12" on the wing. Numbers must be separated from advertising, so they will be readable. No prismatic numbers will be allowed on the cars. If the scorers cannot read your numbers, you will be required to change them before next race. Cars must have the same number on all parts of car.
- 1.15 - Nuts and Bolts:** All nuts and bolts and component parts of car's suspension system, chassis, and running gear must be secured with either, lock nuts, lock washers, cotter keys, or safety wire except wheel nuts when using quick change hubs.
- 1.16 - Radiator:** Type optional
- 1.17 - Ballast:** Any material used for ballast must be firmly attached as a part of the car's structure. No liquid or loose ballast such as water, fuel, oil, sand bags, rocks, log chains etc. allowed.
- 1.18 - Steering:** Front wheels must be connected by a solid or tubular tie rod
- 1.19 - Throttle:** Must be foot operated No electronic traction device.
- 1.20 - Stock is defined as factory delivered specifications.** All gaskets are to be in place and be of O.E.M. specifications.
- 1.21 - Transponder:** The bracket location of the transponder must be on the right side of the car front panel, twelve (12) inches about the ground and twenty-two (22) to twenty-four (24) inches behind the front axle. See the Cactus Region scoring rules for details on the correct Transponder

SECTION 2: SAFETY EQUIPMENT

- 2.1 - Driver's compartment:** No car will be allowed to compete that requires dismantling portions thereof to enter or leave the cockpit with exception of the steering wheel hub. The minimum opening on the right side of the car will be 14" from the top of the roll cage to the top of the mud guard or sissy bar and 16" minimum from the front down tube to the back. Fire Walls: There must be a metal fire wall (Carbon is allowed) between the driver and engine compartment isolating driver from engine compartment for YOUR safety. Minimum specifications are: Steel-24 gauge and aluminum-.0625 thick Floors and belly pans: Cars must have an under pan extended from the front of the seat to a place forward of the driver's feet on top of cross members and lower frame rails. Minimum 4" Clearance from driver's head to top of roll cage.
- 2.2 - ROLL CAGE:** Roll cages shall be at least 1" .083 wall thicknesses, or 1 1/8" .065 wall thicknesses, or 1 1/4" .065 wall thicknesses. Roll cage shall be made of chromyl steel or equivalent material. The front section of the cage shall be no further back than the steering wheel. Roll cage shall have efficient front and aft bracing and strength to support the weight of the car & driver in case of an upset. Cage shall have gussets at the intersecting bars to the uprights. Bends must have at least 3" radius. No square or pointed corners allowed. Roll cage must be a minimum of 3" radius. No square or pointed corners allowed. Roll cage must be a minimum of 3" above the driver's helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.
- 2.3 - Arm restraints:** Use is mandatory. Must be adequate to keep driver's hands below roll cage.
- 2.4 - Driver's helmet:** Must be full head coverage, condition to be SNELL 2015 or newer.
- 2.5 - Driver's uniform:** Must wear a name brand flame retardant uniform. Flame retardant shoes are mandatory.
- 2.6 - Neck brace:** Mandatory. Cage net or seat mounted head-rest required unless wearing an approved immobilization device (i.e. Hans's device)
- 2.7 - Gloves:** SFI rated driving gloves are mandatory.
- 2.8 - Seat belts and shoulder harness:** Seat belts must be securely attached to the car and used at all time. Metal to metal latches only. 5 point seat belts, shoulder harness and sub strap are required. **Belt date must not be over 3 years old. All seat belts must have an updated SFI patch.**
- 2.9 -** Any driver requiring medical attention as a result of an accident while participating at NOW600 Series race must obtain a written release from the attending physician before being allowed to race again.
- 2.10 -** All mechanically operated devices must be mounted below the driver's shoulders for safety.
- 2.11 -** Quick release pins are recommended in wing H for easy removal in emergencies.

SECTION 3: TIRES AND WHEELS

- 3.1 -** Hoosier Tires or American Racer tires are allowed in all classes. **Right Rear Tire: All cars must use the American Racer 70.0/13.0-10 BT SPEC or Hoosier ASCS2 Mandatory and must durometer 45 or harder no later than 5 minutes after a race.** Grooving and siping will be allowed. No softening is allowed

SECTION 4: A-STOCK AND RESTRICTED CLASS GENERAL RULES

- 4-1. COCKPIT:** Absolutely no cockpit adjusters (shocks, wing, jacobs ladder, panhard bars etc.) are allowed. Panhard adjusters can be bolted to not allow driver to adjust during competition. All shock adjusters must be completely out of the car not only disconnected.
- 4-2. SUSPENSION:** Minimum wheel-base of 50 inches. Maximum wheel-base of 70 inches center of front axle to center of rear axle. Maximum width from center left rear tire to center right rear tire is 55". STEERING; front wheels must be connected by a solid or tubular tie rod. Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.
- 4-3. SHOCKS:** Any shock absorber legal, except no cockpit adjustable shocks.
- 4-4. TRANSMISSION:** Four-cylinder motors must have transmission with all stock gears in working order. Any car equipped with a shifting mechanism must have this device mounted in the drivers compartment. Shift levers may mount outside the driver's compartment on opposite side of car from the chain drive. Chain guards will be made of .090-inch-thick aluminum or equivalent and will run on top of chain from the front of the front sprocket to the center of the rear axle. Driver must not be able to touch the chain or sprockets while sitting in the cockpit.
- 4-5. WINGS:**
- Winged Race:** 10 square ft. max, left sideboard 24" x 48", right sideboard 18" x 48". nose wing 18"x 24" max. Offsets are allowed. Nose wings cannot exceed 8 ½" tall or 21" long. The top wing must be in place to race.
 - NonWinged Race:** NO TOP OR NOSE WINGS ALLOWED!
- 4-6. ENGINE:** 600cc 4-cylinder 4 stroke as comes on a stock production bike for public sale in the U.S.A. No current year production engines. Except as noted, all internal and external engine parts must remain stock with no modifications, metal removal, blueprinting. Valve seat inserts may be reworked. Valves must remain as produced with no modifications. Valve springs may be shimmed with standard or aftermarket shims. Cylinder head combustion chambers may be cleaned by bead blasting with valves seated in place. Intake and exhaust ports may not be bead blasted. Cylinder head gaskets may be replaced only with original equipment manufacturer's stock parts (All 3 layers of the head gasket must be used). All other gaskets may be replaced with duplicate aftermarket parts. Light cleaning of gasket surfaces with steel wool, Scotch-Brite, etc. is allowed. Transmission gears may be shimmed only for the purpose of proper engagement. Standard or aftermarket shims may be utilized. Aftermarket cam chain tensioner allowed for safety of motor. Fuel injection engines can run carburetors. Fuel injection engines running carburetors may change all fuel metering devices to tune fuel curve. Injection must be OEM, stock OEM throttle bodies no mixing manufacturers (i.e. Suzuki on Suzuki, Yamaha on Yamaha etc.) with OEM Boots in place. Modification of oil pan & pick up allowed or aftermarket ok. Modification to thermostat cover allowed or aftermarket ok. Modification to water pump Cover allowed or aftermarket ok. Any air box, stock appearing CDI, aftermarket washable replacement air filter. Any 600cc OEM CV carburetors (no flat slides allowed). Stock ECU, PE3-IG2 and PE3-8400 Engine control units are permitted for use with carburetors and Stock Fuel Injection. Joes Racing Product Tulsa Shootout Carb Adapter (they will be labeled with TSO.) Restrictor Plate must be King Racing Product Restrictor Plate .750" inside diameter. No exception. Any tampering with or altering will result in disqualification.
- 4-7.** All stock classes will be allowed to run Electronic or Mechanical Injectors with a mechanical fuel pump with stock OEM throttle bodies or carbs ONLY will be allowed. No mixing of manufacturers.
- 4-8.** No Wheel Sensors of any kind for traction control. No Sprocket or Transmission sensors for Traction Control. NO TRACTION CONTROL of any type specifically listed or not.

NOW600 Cactus Region Restricted Class Rules for 2025

- R-1. AGE:** Drivers age 8 to 16 may compete in the Restricted Class. (A driver whose 16th birthday falls during the racing season will be allowed to finish the season in which they began accruing points before their birthday. Racing season starts February 1st.)
- R-2. WEIGHT:** Minimum car and driver weight 740lbs. **Non-Wing Minimum weight is 710lbs.**
- R-3. ENGINE:** See **SECTION 4 Plus a Restrictor Plate Must be added:** King Racing Product Restrictor Plate .750" inside diameter. No exception. Any tampering with or altering will result in disqualification.

NOW600 Cactus Region A-Class Rules for 2025

- A-1. AGE:** Drivers ages 12 and up may compete in the A-Class.
- A-2. WEIGHT:** Minimum car and driver weight 780lbs. Non-Wing Minimum weight is 750lbs.
- A-3. ENGINE:** See **SECTION 4**

NOW600 Cactus Region Outlaw Rules for 2025

- O-1. AGE:** Drivers age 12 and up may compete in the Outlaw class.
- O-2. WEIGHT:** Minimum car and driver weight 780lbs. Non-Wing Minimum weight is 750lbs.
- O-3. WINGS:**
 - a. **Winged Race:** Top Wing 16 Sq Ft max, left sideboard 26" x 54", right sideboard 24" x 54".. Nose wing 4 Sq Ft Max. Offsets are allowed. The top wing must be in place to race.
 - b. **NonWinged Race:** NO TOP OR NOSE WINGS ALLOWED!
- O-4. Cockpit Adjusters:** Cockpit wing adjusters are allowed. Weight jackers allowed. Pan Hard adjuster is allowed. No electronically controlled cockpit adjustments besides wing slider.
- O-5. ENGINE:** 640cc MAX displacement. No Nitrous, turbo or superchargers permitted.

Disclaimer: All rules may be changed/modified/adjusted as needed by Now600 Cactus Region. Rules are designed and enforced to keep competition equal and safe.