

## **DIRT DEVIL DIVISION – 2012**

**ALL GENERAL TRACK RULES APPLY. PLEASE REFER TO GENERAL TRACK RULES SECTION FOR CAR NUMBER REQUIREMENTS, APPEARANCE GUIDELINES, START TIMES, AGE REQUIREMENTS AND MANY MORE ISSUES. RACE TEAMS NOT COMPLYING WITH GENERAL RULES WILL NOT BE ALLOWED TO COMPETE. RULE VIOLATIONS ARE IN LISTED IN THE GENERAL RULES.**

**IF IT DOES NOT SAY IT IS ALLOWED IN THE RULES, IT IS ILLEGAL. IF YOU ARE UNSURE OF ITS LEGALITY PLEASE CONTACT A TRACK OFFICIAL.THANK YOU!**

**Once you move out of the 4 Cylinder division to another higher division, you can not move back to 4 Cylinders for a 1 year time period!**

### **Chassis**

2004 or older front wheel drive 4-cylinder passenger cars. Other models may be pre-approved by Track Officials. Full frame cars are prohibited. All wheel steering cars are prohibited. Engine and or parts replacement is permitted as long as the replacement is identical to the original. All components utilized must match the VEHICLE IDENTIFICATION NUMBER (VIN) for the make and model of car. The VIN must remain in the OEM location and must be clearly visible and unaltered. Cars missing VIN will not be allowed to compete.

### **Bodies**

Bodies must be in factory condition. Approved modifications allowed. Bodies must be neat appearing. Bodies must be OEM steel or OEM replacement steel. Aftermarket parts or fabricated body parts are prohibited. Spoilers, air dams, wings are prohibited. Hood scopes, front and rear skirts are prohibited. Side skirts are allowed per OFFICIAL APPROVAL. Wheel wells must be unmodified and without sharp edges. All body panels must fit per OEM. Body panels damaged during an event must be repaired or replaced in a reasonable time period. Cars with unrepaired or unpainted body panels may not be allowed to compete. Gutting of the interior sheet metal is prohibited. All interior tin must remain intact, with no additions-tinning in unless for fuel cell. The decision of the TRACK OFFICIALS IS FINAL

### **Hoods**

Must have hood to start race. 2-hood pins use and hood latch removed. OEM hinges must remain intact. Rear trunk lids must be pinned or hatchbacks can be welded shut. No gutting of hoods, trunk lids, or hatchback doors. All insulation must be removed from under hood and the "X" brace must be slit across but not removed.

### **BUMPERS**

Must have both bumpers to start race. Front and rear bumpers are too be capped with no sharp edges and securely mounted. Both bumpers require a wrecker tow chain, strap or cable and must easily accessible from outside the car.

### **DOORS**

All doors must be welded shut at the front and rear seams including any hatch door. Driver's door may be gutted to allow room for roll cage. Bars must be flush with outer door skins. No gutting of the passenger door allowed. Rub rails are prohibited.

### **FIREWALL**

All holes in firewall as well as all vent holes must be sealed. Anything running through the firewall must be properly secured. Approval is up to the discretion of the inspector.

## **ROLL CAGE**

All roll cages must be acceptable to TRACK OFFICIALS.

All bends in the roll bar tubing must have a smooth radius without kinks. It is mandatory that all joints are gusseted.

Offset roll cages as well as laid-back roll cages are prohibited.

**Black pipe, galvanized, exhaust tubing, preformed pipe is prohibited.** All tubing must be no less than 1 3/4 minimal wall thickness of 0.095 inches in all locations unless otherwise specified.

All floor plates must be minimal ¼ in. flat stock or angle.

The cage must be of a 4 post design consisting in general of: a vertical main hoop: top hoop or halo bar: left and right front post and seat frame. The center of the main hoop may be located no further back than 2" from the top parting line of the back of the front door. The top of the top hoop must be within 1" of the bottom of the roof. The vertical main hoop must be welded either to the left and right rocker panels and floor pan using a min. 4"x4"x1/4" steel plate as well as a plate under the panel and bolted together with no less than 3/8" grade 5 bolts. The main hoop must be located behind the driver and have a horizontal bar at the midpoint and bottom, parallel to the floor pan. The main hoop must also be diagonally braced. The top hoop must attach to the main hoop, as well as the left and right front posts must be diagonally braced. A horizontal "dash" bar must connect the left and right front posts. "A" pillar supports are allowed. The driver's side front post must be connected to the vertical main hoop by three or more, equally spaced, horizontal bars mounted flush with the door skin. The door bars must be connected by two or more equally spaced vertical braces.

A foot protector bar is allowed and recommended.

The complete driver's side door area must be plated with steel plates no less than 0.095" thick.

The seat frame must attach to the lower main hoop horizontal bar and bottom driver's side door bar. The seat frame must be made up of no less than 0.095" material.

The passenger's side must be equipped with a minimal of 3 door bars. Two of the bars may be "X" design. Horizontal bars must be equally spaced and connected by 2 or more vertically braces. The main hoop must be connected to the floor pan by a maximum of 2 rear support bars.

The rear support bars must be welded to a minimum 4"x4"x1 ¼ steel plate at the bottom of each support bar as well as a plate at the underside if possible. All support bars must be inline and properly gusseted.

All roll bars exposed to driver and left side door bars must be padded.

Rear strut tower support may be used. It must be properly mounted per OFFICIALS. Unit can be made removable.

## **STEERING WHEELS**

Stock steering wheels may be replaced with a quick release steering wheel, approved by TRACK OFFICIALS. The steering column must remain stock-OEM. Steering wheel spacers or extensions permitted as long as they do not compromise the collapsible function of the steering column. The center of the steering wheel must be padded.

## **SEATS**

Aluminum racing seat required and must securely fastened to the roll cage. 5-point racing belts are mandatory and must be fastened to the roll cage per manufacturer's instructions and acceptable to **TRACK OFFICIALS**. All roll

cages must provide 2-inches or more clearance measured from the bottom of the top of the halo bar of the roll cage to the top of the driver's helmet, when the driver is seated and strapped in, in full race gear.

## ENGINES

Engine must be as factory produced in the body style and year of car without special order. This includes all electronic components. Turbocharged, supercharged, rotary engines, or engines utilizing variable cam timing are prohibited. The displacement and compression ratio on all engines may not be altered. All engine adjustments must be within manufacturer's specifications. Engine mounts must be unmodified OEM and the engine must remain in the stock location. All engine block markings must remain. Only unmodified OEM cast iron or forged steel crankshafts are permitted. All crankshafts, rods, pistons and accessories must remain per that engine.

Smog or air pump may be removed as well as air conditioning compressor and hoses.

Car must have working alternator with belt.

Only an unmodified OEM intake manifold is permitted. Aftermarket manifolds are prohibited. Intake and exhaust manifolds must be for year, make and model of block and have been available in that body style without special order. Grinding or polishing of ports is prohibited as well as any other modifications.

OEM carburetor or fuel injection system for the year, make and model. Air intake system must remain stock for the car and unmodified. Aftermarket air cleaners filters allowed must fit factory box.

Fuel pressure may not be altered.

Stock OEM cooling system only. The cooling system must be for the year, make and model of car. Front screens are permitted. Use of antifreeze is prohibited. Water wetter is allowed. All cars must have an approved overflow canister such as factory catch tanks. Radiator protection bars are allowed. Must be made of 1 ½-1 ¾ tube and no further than 4 "forward of the radiator saddle or mount. May be no taller than 6" and must not be outside of frame rails. NO forward supports or bars outside of frame rails.

All cars must have exhaust system and street legal muffler. Replacement exhaust systems must be of the same configuration as the original system. NO flex pipe allowed. All exhaust systems must extend past the driver and exit out the rear or behind the driver in front of the tire.

**Duel overhead cars are allowed with a weight penalty of 250#. Weight must be mounted on passenger side of car on seat mounting area subject to Track officials. Amount of weight may be adjusted as needed (+/-).**

## TRANSMISSIONS

All transmission components to remain completely stock for the year, make and model of car. Transmission may not be reprogrammed, welded or locked. Transmission must work in all forward gears and reverse. Flywheel, flex plate, clutch assembly, and torque converter must remain stock-OEM. No mini clutches or couplers allowed. **No Alum flywheels**

## ENGINE COMPUTERS

No performance chips flashed or altered computers. Computer boxes must remain STOCK-OEM for the year, make and model per car VIN. Any and all computer hook ups shall remain intact and useable. Any car suspected of having an illegal engine computer must surrender the race car to race officials to be checked when asked. If the computer is legal, it will be returned prior to the next scheduled event. If the computer is found to be illegal, it will not be returned and the driver assessed a major rules violation. If the computer is found to be illegal, the owner will be responsible for all inspection costs, including—towing, storage and diagnostic fees. All fees will be paid before race car is returned. All illegal parts will be impounded by Track.

## **GAS TANK**

If the stock gas tank is factory mounted ahead of rear axle, it may remain in place. If stock gas tank is behind rear axle, it must be replaced with SFI approved fuel cell (maximum 8 gallons) securely fastened inside a steel container. Fuel cell must have a check valve. NO cool cans. The fuel cell container must be a minimum 22 gauge steel with minimum 1" steel straps and secured with minimum 3/8 bolts. The trunk firewall must be sealed off and fuel cell covered. Fuel line must run outside of car and follow existing fuel lines. No racing, no performance additives, and a maximum of 93 octane gas are to be used. A fuel sample may be collected at any time.

## **WHEELS AND TIRES**

Stock OEM steel or aluminum rims only. All rims must be the same diameter, width, and offset. Steel wheels must be painted white or a bright color. Must use (1") lug nuts on steel wheels. Acorn nuts are prohibited. Wheel studs must be at least flush with outside of nut. Broken studs and missing nuts are prohibited. No wheel covers, mud plugs, wheel spacers, or pressure bleeders allowed. Stock passenger tires only. Any 4, equal size, DOT, street legal, 60 series or taller tire. Minimum tire depth of 3/16 allowed. Tire size designation must be highlighted in a bright color. No studded tires, chains, or fluid filled tires allowed. Right side tire pressure must be 30 psi or greater. Adding tube to right front recommended. If pressure rule is violated while car is in lineup, the car will be required to start in the back of the race that night after the tire is brought up to 30 psi or greater.

## **SUSPENSION**

Parts and location must remain stock-OEM, unaltered. OEM rear spindles may be replaced for safety reasons only. No weight jacks, modifications, racing components, aftermarket, or homemade traction devices. Springs, shocks, snubbers, hubs, spindles and struts must remain stock and unaltered and no modifications allowed for liability reasons. All parts must match side to side. Rear wheels must track straight ahead with steer tires with no more than ¼" of caster camber. Front tires are allowed up to 1" of caster camber from top to bottom of rim.

## **BRAKES**

All 4 wheels must have 4 working and functioning brakes. No modifications allowed.

## **MIRRORS**

Mirrors are prohibited

## **WINDSHIELD**

A reinforced, 1" or smaller, full width, steel wire mesh windshield screen is required or 1/8" thick polycarbonate for windshield. The screen wire diameter must be no less than 0.063 inch for mesh larger than ½ inch or no less than 0.035 inch for mesh smaller than 1/2". A minimum of three reinforcements must be installed behind the wire mesh or polycarbonate. Two of the reinforcements must be evenly on the driver's side half of the windshield opening and one reinforcement must be centered on the passenger's half of the windshield opening (see diagram). The reinforcements must be bolted or welded to the roof panel or the roll bar and dash panel in an approved manner. Side door windows can be enclosed behind driver with clear polycarbonate. Rear window must remain open.