

## **2010 BLUNDERBUST DIVISION** **RULES AND REGULATIONS**

### **ALL PARTICIPANTS MUST ADHERE TO ALL THESE RULES**

### **IMPORTANT NOTE: MUFFLERS ARE MANDATORY AT RIVERHEAD RACEWAY**

#### **LICENSE:**

- All drivers must take out a NASCAR license. Anyone competing without a current license will be suspended for an indefinite period of time, and is subject to a fine.
- The promoter and/or NASCAR reserve the right to approve or reject any or all license applications. A license can be used only by the member to whom it was issued and any other member who allows any other person to use, or attempt to use their license will be subject to disciplinary action.

#### **INSURANCE:**

- Any driver competing in this division must sign in at the back gate and obtain a "Pit Pass" for the current night of racing. Pit Pass insurance is mandatory at each event and must be purchased at the pit entrance. ANYONE FOUND IN THE PIT AREA WITHOUT THE PROPER PIT PASS WILL BE FINED, AND THE CAR TO WHICH HE OR SHE IS ATTACHED WILL BE SET DOWN AT THE DISCRETION OF THE OFFICIALS.

#### **FOR THE CAR/DRIVER:**

- The promoter or race director has the right to reject the entry of any car or driver.

#### **TRACK/ PIT RULES:**

- Drinking of any alcoholic beverages on the racing premises, or prior to entering the pits is strictly forbidden until all racing events have been completed. Anyone caught doing so is subject to suspension.
- No driver, owner or mechanic shall participate in fights in motor pits or race premises at any time. At all race meets the driver assumes full responsibility for actions of their pit crew in every aspect.
- The track and/or division inspectors reserve the right to subject any car to an inspection. Failure to submit to an inspection will result in an immediate disqualification and loss of monies and all points for the night. The car will not be permitted to compete again until after an inspection has been conducted. It will be up to the official in charge to confiscate any unsafe equipment.
- No driver may get out of their race car or cross the race track while the race is in progress unless there is an unusual circumstance, such as fire.
- Anyone caught tampering with someone else's car will be suspended indefinitely.

#### **PROTESTS:**

**THE PROTEST FEE FOR THIS DIVISION WILL BE \$150 PLUS \$50 INSPECTOR'S FEE TOTAL OF \$200.  
INTERNAL ENGINE PROTESTS WILL BE \$600 PLUS \$150 INSPECTOR'S FEE FOR A TOTAL OF \$750!  
CRANK PROTEST FEE WILL BE \$750 PLUS \$250 INSPECTOR'S FEE FOR A TOTAL OF \$1000!**

- Any protest will be given to Handicapper. A signed written protest specifying one specific item must be presented to the track official with the appropriate protest fee, within 20 minutes after the posting of the race. All protests will be settled by the track officials. If a car is protested and found to be illegal, the driver protesting will be refunded the fee less inspector's fee. If the car protested is found legal, the protested car will receive the money.
- Visual protest will be considered anything external, such as carburetor, distributor caps, tires, etc. This protest may be reported to the division head and/or inspectors. There will be NO FEE for this type of protest and they must be protested one half hour before the race.

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### **POINTS:**

-Points this year will be kept on drivers only. Trophies will be awarded at the end of the year to top drivers. Points will be distributed as follows: 50 points for first place, 48 points for second place and so on down the line.  
-Once the finish has been posted, it will be considered final.

### **CAR APPEARANCE:**

Car must remain presentable at all times. No sharp or jagged edges allowed. Advertising on the car is allowed, if it does not interfere with the car numbers. The driver's name must be neatly printed above both front doors.

### **COMPETING MODELS:**

Cars eligible for the Blunderbust Division shall be as follows:

Buick:	1965 through current model Electra and LaSabre
Cadillac:	1965 through current model year
Chevrolet:	Caprice and Impala
Oldsmobile:	1965 through current model 88 and 98 series
Pontiac:	Bonneville
Ford:	1983-current Crown Victoria 1982-older LTD
Lincoln:	1965 through current model year
Mercury:	1983-current Grand Marquis 1982-older Marquis
Chrysler:	Imperial, New Yorker, Newport
Dodge:	Coronet, Diplomat, Monaco, Polara, Royal Monaco
Plymouth:	Fury, Grand Fury, Satellite

1. No convertibles, station wagons, or front wheel drive cars permitted. No limited production cars permitted.
2. Competing models must be full frame automobiles.

### **GENERAL CAR BODY REQUIREMENTS:**

The car body must meet the following requirements:

1. All cars must be neat appearing.
2. All cars must have complete bodies, hood, fenders, and bumpers in top quality condition. No jagged edges. No homemade body parts permitted.
3. Cars must remain stock appearing for year, make and model of the car.
4. No streamlining allowed, such as the radiator grill area, the top of the windshield, or under the car.
5. Front full windshield mandatory. The windshield must be mounted with two straps, both inside and outside, from the roof to the dashboard. Lexan windshields allowed. No plexiglass.

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**GENERAL CAR BODY REQUIREMENTS CONTINUED:**

6. All doors must be fastened in a secure manner.
7. Fenders may only be cut/altered for tire clearance.
8. The floor must remain factory stock in the driver's compartment with all holes covered.
9. Stock type front and rear bumpers must be used. They may be reinforced with 1 ½ inch pipe mounted behind the bumper. This reinforcement may not be visible. No other additional reinforcement permitted. Factory stock bumper mounts must be used.

**OVERALL CAR WEIGHT:**

1. Any car with an altered chassis must add 100 lbs. of weight.
2. The car weight must be met, after the race, with the driver using the following chart.

Cubic Inches of Engine	Minimum Weight
Up to 405	4,100
Over 405	4,200

3. The maximum left side weight percentage shall be 54%.
  - a. Seated in normal position with helmet in lap.
4. There will be no allowances after the race for tire wear, fuel, oil, or water. The car must make weight as it comes off the racetrack. No parts may be put back on the car that come off during the race.
5. No weight to be mounted behind rear axle or in front of front wheels.

**ADDED CAR WEIGHT:**

1. Added car weight must be mounted between the frame rails and be securely fastened.
2. All added weight must be painted white, with division and car number on weight clearly marked.
3. No weight may be mounted in the driver's compartment.

**DETAILED CAR BODY REQUIREMENTS:**

1. No spoilers permitted, front or rear.
2. All side glass and rear windows must be removed.
3. Headlights, taillights, and all other trim must be removed and the holes covered with sheet metal.
4. Side view mirrors permitted and must be mounted inside the driver's compartment, not outside of driver's door. Maximum size not to exceed 3 inches by 3 inches.
5. The maximum size of the rearview mirror shall be 2 1/8 x 17 3/4.
6. The front firewall must remain factory stock with all holes covered.
7. The rear firewall must separate the driver's compartment from the rear of the car.
8. All inner fender wells must remain in the car. They may be replaced with sheet metal.
9. All sheet metal must remain in the trunk.
10. The hood must close in its original location and must remain factory stock. No holes may be cut in the hood.
11. The rear trunk lid must remain factory stock and be in its original position.
12. The hood and rear trunk lid must be fastened with additional fasteners.

**IDENTIFICATION/MARKING:**

All cars must comply with the following:

1. Numbers are officially issued by the raceway office on a first come first serve basis with preference given to those drivers who have competed during the last race season.

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**IDENTIFICATION/MARKING CONTINUED:**

2. Numbers must be painted, a minimum of 18" high, on both doors and the roof.
3. Six inch numbers must be painted on the upper passenger side of the front windshield and on the rear taillight panel.
4. The car make must be painted on the roof over top of the front windshield.
5. The use of silver or gold foil numbers is not permitted.
6. Declared cubic inches must be painted on the hood.
7. Wheelbase must be marked on windshield.

**ENGINE REQUIREMENTS:**

- All engines must remain factory stock for year, make and model of the car.
- The engine must remain in the factory stock location with OEM motor mounts. The motor mounts may be reinforced.
- Buicks may use a Chevy 350 cu. motor, provided the car weighs 4,200 pounds minimum.

**Engine Requirements:**

1. The stroke must remain factory stock.

**Engine Block:**

1. The block must remain factory stock. The only machine work allowed to the block is the boring of the cylinders.
2. No coatings permitted on any part of the engine.
3. The engine block must remain factory stock with all standard external dimensions with the exception of boring the cylinder.
4. No angle milling of block permitted.
5. No internal porting, polishing, relieving, squaring, or coating of the engine block permitted.

**Pistons/Rods:**

1. The connecting rods must remain factory stock for year, make, and model.
2. Only stock cast aluminum pistons are permitted.
3. No forged/hypereutectic pistons permitted.
4. No machining of the pistons permitted.
5. No portion of the piston may protrude above the top of the block.
6. No polishing or grinding of the connecting rods permitted.

**Oil Pan/Oil Cooler:**

1. The oil pan must be a factory stock production oil pan only.
2. No aftermarket oil pans permitted.
3. No oil coolers permitted.
4. No remote oil filters permitted.
5. No accusump or lube tubes permitted.

**Crankshaft/Harmonic Balancer:**

1. Only standard steel or cast iron OEM production crankshafts permitted.
2. The crankshaft must remain factory stock for year, make, and model.
3. No balancing or any other machine work is permitted to the crankshaft. Only OEM balance weights and drilling permitted.
4. OEM style aftermarket balancers are permitted.

**Cylinder Heads:**

1. The cylinder heads must remain factory stock for year, make, and model.
2. The only machine work allowed will be for the installation of positive type valve seals.
3. No porting, polishing, relieving, or coating of the cylinder heads is permitted.

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**ENGINE REQUIREMENTS CONTINUED:**

4. No grinding of any part of the head other than the valve seat is permitted.
5. No machining of the head surfaces permitted over .010 for proper head gasket sealing permitted.
6. Intake and exhaust valves must remain factory stock. Valve dimensions must match cylinder head casting number.
7. Valve springs, retainers, and keepers must remain factory stock. Stock diameter/single spring.
8. No conical shaped springs permitted.

**Valve Train:**

1. OEM factory stock hydraulic camshafts only.
2. OEM factory stock design size shape hydraulic lifters only.
3. No roller or mushroom lifters permitted.
4. OEM factory stock rocker arms only. No roller rocker arms permitted.
5. OEM factory stock non-adjustable push rods only.
6. Stud type rocker arms may use OEM locknuts Or poly locks.
7. Maximum intake lob lift .290 measured at cam lob.
8. Rocker arm ratio must be same make, year and type of engine.

**Intake Manifold:**

1. Only stock cast iron or aluminum intake manifolds for year, make, and model may be used.
2. No modifications of any type permitted.
3. No porting, polishing, port matching, or coatings allowed.

**Carburetor:**

1. The carburetor must remain factory stock for year, make and model.
2. No modifications allowed.
3. Carburetor mounting gaskets must remain factory stock.
4. No carburetor spacers or spacer type gaskets permitted.
5. One half-inch adapter allowed for Ford and Chrysler only.

**Air Cleaner:**

1. The air cleaner and housing must remain factory stock and unaltered except for the removal of the preheat tubing and the cold air valving.

**Ignition System:**

1. Stock OEM ignition system for year, make, and model only.
2. No modifications allowed.
3. No alterations of the timing advance system permitted.

**Starter:**

1. The starter must remain in its original location and be factory stock for year, make, and model.

**BATTERY:**

1. The battery may be relocated
2. The battery must be properly mounted and covered.
3. One 12 volt battery only.

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**ENGINE COOLING SYSTEM:**

1. OEM type radiator only.
  - 1a.) Aluminum radiators can be used, but must remain in original stock position.
2. Fan blade/shroud must remain factory stock for year, make, and model.
3. No electric fans permitted.

**EXHAUST SYSTEM:**

1. Cast iron exhaust manifolds must remain factory stock for year, make, and model.
2. Exhaust system must exit behind doors.
3. The muffler must remain factory stock. No glass pacs, cherry bombs, etc.
4. **MUFFLERS ARE MANDATORY AT RIVERHEAD RACEWAY**

**TRANSMISSION:**

1. Car must be equipped with an automatic transmission that is factory stock for year, make, and model.
2. Automatic transmission must have a stock torque converter.
3. Automatic transmission must have a safety diaper or belly pan.

**DRIVESHAFT:**

1. The driveshaft must remain factory stock and be painted white.
2. Two driveshaft straps, a minimum of 1/4 by one inch, must surround the driveshaft and be mounted securely.

**REAR END:**

1. The rear end must remain factory stock for year, make, and model.
2. Factory stock positraction rear ends are permitted.
3. Spider Gears may be welded. Steel mini spools permitted.
4. Gear ratio may be changed provided that the ring and pinion fits into stock rear end housing. Ring and pinion must resemble OEM. The maximum allowable rear end gear ratio shall be 3.50.
5. Aftermarket solid magnetic steel axle shafts permitted.

**WHEELS/TIRES:**

1. All four wheels must be the same size, width, and diameter.
2. No offset permitted.
3. Maximum width seven inches.
4. Track tire rule will be in effect and must be purchased at Riverhead Raceway.
5. Tire softener, soaking of tires or applying any substance, including, but not limited to conditioner, will not be tolerated. Anyone found to be using an unauthorized tire will be fined and/or suspended and will start in rear for three weeks.

**FRAME:**

1. The frame must remain factory stock for make and model.
2. The minimum frame height is five inches, measured with driver in car.

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### **SUSPENSION:**

1. No jacking bolts permitted.
2. Reshaping of springs will not be permitted.
3. Coil springs may be changed only if they fit in the stock retainers.
4. No cutting or welding will be permitted on any part of the steering or suspension.
5. OEM type shocks only.
6. Steering linkage must remain factory stock.
7. The front spindles must remain factory stock.
8. No heating or bending of the spindles permitted.
9. The spindles, wheel bearings, and hubs must meet the following requirements:
  - a. Front spindles must be linked to the frame using steel cables. One end of the cable with the large eye must wrap around the frame or the front crossmember and pass through the smaller eye. The large eye of the cable must loop over the upper portion of the spindle. The steel cable must be a minimum 5/16 inch wire rope constructed of 7x19 stainless secured by a pressed steel sleeve at each eye.
10. Nylon or polyurethane bushings permitted on suspension components.
11. Aftermarket non adjustable upper control arms permitted provided left and right are identical and equidistant.

### **BRAKE SYSTEM:**

1. The brake system must remain factory stock for year, make, and model.
2. No brake bias or aftermarket proportioning valves permitted.
3. All 4 brakes must be in working order.

### **FUEL:**

1. Racing fuel permitted. No fuel additives permitted.

### **FUEL CELL:**

1. The fuel cell must have a steel outer container (no less than 18 gauge steel) completely enclosing the rubber bladder.
2. The fuel cell must have foam protection.
3. The inlet and vent lines must have a ball check or flapper valve.
4. The fuel cell must be a minimum of eight inches off the ground and be mounted on center of rear frame rails.
5. The cell should be secured with one inch by 1/8th inch straps (steel) with four straps across the top of the cell.
6. The cell must be protected with roll cage tubing on 1" x 1" x 1/8" square tubing in an X shape underneath the cell.
7. Fuel shut off valve mandatory and must be labeled and within the reach of the driver.
8. Fuel lines may not run inside the car.
9. Fuel cell may not protrude more than four inches below frame rails but must maintain eight inch ground clearance between reinforcement.

### **HELMET:**

1. It is recommended that helmets meet the specifications set forth in the Federal Motor Vehicle Safety Standard Regulations or meet the specifications set forth by the American National Standards Institute Inc. Must be Snell 2000 or later.
2. Hans device strongly recommended.

### **SEAT BELT/SHOULDER HARNESS:**

A quick release NASCAR approved type seatbelt/shoulder harness/crotch belt must be properly mounted. Both ends must be securely fastened to the roll bars. The belts must be dated and not exceed two years old.

### **SEAT:**

1. An approved bucket seat must be installed and be welded and/or securely bolted to the roll bars.
2. A padded headrest is mandatory.
3. The seat must be located in the original position. The seat may not be located in the back seat location.

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**ROLL BARS:**

1. Approved roll bars mandatory. (Check NASCAR rule book)
2. A square cage is required.
3. a.) Roll bars shall be a minimum of 1 3/4" outside diameter water pipe or NASCAR approved seamless tubing.  
b.) Minimum tubing wall thickness .090.
4. All cars must have at least four side bars on the driver's side and three bars on the passenger side.
5. Roll bars in the driver's area must be padded and taped with foam rubber.
6. The center top of the steering wheel must be padded with at least two inches of resilient material.
7. Approval of the roll bars will be strictly up to the discretion of the officials.
8. A padded brain bar is mandatory.

**NERF BARS**

1. Nerf bars are required and must be mounted at center hub height.
2. Single diameter, straight nerf bars only.
3. No double nerf bars permitted.
4. No jagged edges permitted. Ends must be capped.
5. The maximum diameter of the nerf bars shall be 1 3/4 diameter .095 maximum tubing.
6. Nerf bars may not extend past outer edge of tires.

**FIRE EXTINGUISHER:**

An approved fire extinguisher must be securely mounted within easy reach of the driver.

**FIRE SUIT:**

The use of an approved fire suit is mandatory.

The general theme of these rules and regulations is "Stock". This division is intended to be an entry-level low cost division. Any type of automobile racing can become expensive. However, by adhering to these rules with the emphasis on key words like "Not Permitted", "Not Allowed" or "Factory Stock" the cost can be kept down. This will inevitably lead to better competition within the division, consistently large fields of cars, and ultimately the enjoyment for the fans and the competitors. Anywhere in these rules that the words "Factory Stock" appear, it means factory stock for the year, make, and model of the vehicle being used.

**FLAGS:**

GREEN -	Start the Race!
RED -	STOP! There are unsafe conditions.
YELLOW -	Caution, an obstruction on the track. Pass with caution until green flag is displayed.
WHITE -	One lap to go.
BLACK -	Disqualified. Pull off immediately when you receive the black flag. Anyone ignoring the black flag is subject to suspension.
BLUE WITH DIAGONAL WHITE STRIPE -	Stay inside. You are about to be passed by faster cars.
TWO FLAGS HELD PERPENDICULAR TO EACH OTHER -	You have completed one half of the race.

**ALL FINAL DECISIONS ARE MADE BY THE TRACK OFFICIAL IN CHARGE!!!**