

# 2011 Redwood Speedway Bomber Rules

## General Rules:

1. Redwood Speedway officials shall have full authority over events. At the discretion of Redwood speedway officials in charge, any competitor may be disqualified for rule violations or hazardous equipment or hazardous actions.
2. All vehicles are subject to inspection.
3. Safety Apparel:

A: All Drivers are required to have a sfi-3 or higher rated firesuit, 1 or 2 piece suit allowed.

B: All Drivers are required to have sfi-3 or higher rated fire shoes, gloves and neck brace.

C: All Drivers are required to have a Snell SA2000 or higher helmet. No motorcycle helmets allowed.

4. Any unsportsmanlike conduct by drivers, owners, and or pit crews shall be grounds for disqualification and or punitive action by Redwood Speedway will be strictly enforced. Drivers are responsible for the conduct and actions of their crew members.

5. Absolutely no alcoholic beverages will be consumed by drivers or their pit crew prior to or during an event.

Use, distribution or sale of illegal drugs at any time shall be cause for immediate, indefinite suspension.

6. Drivers must be at least 16 years of age (proof of age required). Drivers fewer than 18 years of age must have a signed notarized Parental Consent form by parent or legal guardian and said document must be in hands of official before participation of said individual will be allowed.

7. Stock off the street passenger car or station wagon as purchased from the factory or car lot with no modifications or alterations except specifically allowed below. Sedan (cars with door posts) is strongly recommended. Note-no modifications or alterations mean at least the following: no chains except where noted otherwise. No cutting of anything, any bracing, etc.

8. The stock gas tank must be removed and replaced with one 8 gallon capacity fuel cell securely mounted with steel straps, 1/4"x2" around the tank in the trunk. It must also be above the trunk floor. Regular pump gas only. Fuel line must be in conduit through if run through driver's compartment. No electric fuel pumps.

9. The cloth interior of the car must be removed (but not any metal). Rear firewall must be tinned in. Doors must be chained or welded shut. Driver's door plate is required, 18ga steel or .049 minimum thickness steel welded to bars must extend in front of seat be flush and securely welded. All glass must be removed, 3 bars in front of driver. Remove headlights, turn lights, taillights, and chrome outer trim. The battery may be removed but must remain under the hood and securely fastened down. **There must be a lift chain on the front and rear of the car.**

10. Trimming of wheel wells to the circumference of tire is allowed; rear inner wheel wells must be left in place.

11. Bumpers and bracing-car must have complete stock bumper. Do not cut off bumper ends or corners. Each bumper must have two safety chains welded to bumper and frame, or straps, or bolts to prevent the bumper from falling off. No extra bracing anywhere or any kind. If vehicle is equipped with a trailer hitch, it must be removed.

12. 6 Point Roll Cage – Roll bars and side bars are mandatory. Roll bar and door bar required. The roll bar must be located directly behind the driver and reach as close as possible to the roof and the left side of car. Two support bars must be added to the roll bar to form a tight triangular, strong structure. Cars with a wheelbase fewer than 110 inches must have a 4 point roll cage, x-bracing under the trunk allowed only.

13. Trunk and hood latches-all factory trunk and hood latches may be removed and replaced with pins (no chains). Firefighters and inspectors must be able to easily open trunks and hoods. Absolutely no bungee straps allowed on the car.

14. Numbers must be at least 24 inches high and 6 inches wide on all sides of the car along with the roof of the car.

15. Tire treads face width 7 inch maximum. **Maximum tire size 225.** No racing cheater tires. Stock factory steel wheels required, no mags, no offset wheels, no truck tires or 6 ply tires. NO WELDED REARENDS.

16. Water tank for sprinkler system can hold a maximum of 5 gallons of water.

17. Radiator protection is allowed no higher or wider than the radiator. Must be under the hood, and can't be further back than the A-frame. Using 1.75 OD tubing.

18. Engine –

! Cannot exceed 360 (Chevy) 361 (Ford) 370 (Mopar) Cubic Inch. OEM steel passenger vehicle production block only. No GM Bowtie, Ford SVO or Chrysler W components allowed. Stroke must match block. No 400 or larger cubic inch parts allowed. Violation of must be verified with the removal of cylinder head and will result in a 30 day suspension

Maximum 8.5 to1 compression, no tolerance. Compression ratio checked using Whistler and cubic inches checked using pump or by visual inspection of parts and casting numbers, pistons, etc flat top or dished pistons only, no gas ported pistons. No aftermarket parts allowed no porting, no polishing.

OEM or OEM replacement steel crankshaft only-can not be lightened. No aerowing, bullnose, knife edge, undercut or drilling of second or third rows. OEM or OEM replacement steel rods only.

Flat tappet Hydraulic cam only.

Mandatory 1" inspection hole in all pans-no obstructions to crank and rods. Must remove oil pan if no inspection hole is available and must be fixed by next race.

☐ Must run a OEM unaltered cast iron 2 barrel intake, with a OEM stock unaltered 2 barrel Rochester carburetor, OEM booster may be machined to 0.25 in. Venturi I.D. machined to 1.375 in. Throttle bore I.D. machined to 1.6875 . May remove carburetor choke plate.

19. Transmission –

Can be manual or automatic

Automatic: Must be unaltered OEM, with unaltered OEM pump, original bell housing and OEM torque convertor. Must have scatter shield constructed of 0.125 x3" inch steel, 270 degrees around flex plate. Flex plate must be full, unaltered OEM, or OEM replacement. No manual bump starts allowed. No 2 speed power glides.

Stock steel unaltered 3 or 4 speed manual transmissions. Minimum 10.5 inch diameter, steel/organic single disc-type clutch and steel pressure plate. No Removal or shaving gears. No dropouts – Chevy to Chevy, Ford to Ford etc.No hydraulic clutch release bearing. Steel unaltered flywheel-16 pound minimum.

Clutch must be OEM stock dimensions only. No aluminum flywheels.

Driveshaft- Steel drive shaft (minimum 2.5 inch diameter) and slip yokes only. Drive shaft must be painted white. 360-degree driveshaft loop required and must be constructed of 0.25 inch by 2" solid steel or 1" tubing Mounted 6" back from front u-joint.

**20. Engine Claim:**

\$250.00 cash claim on engine, \$25.00 of this goes towards pulling the engine.

Claim does not include: flywheel, clutch, pressure plate, bell housing, exhaust manifold, carburetor, starter, motor mounts, sending pump, fuel pump, distributor or plug wires.

First four positions finishers must report directly to claim area and are subject to engine claim. Driver allowed finishing 5<sup>th</sup> on back in feature. Any driver lapped by the fourth place car is not eligible to claim. Driver allowed one claim ONLY per event, regardless of outcome of that claim. In case of multiple claims on same engine, engine will go to qualified claiming drivers finishing farthest back.

Driver making claim must drive his racecar immediately after finish of feature, under its own power, directly to claiming area. Only drivers and officials are allowed in claiming area.

Claims must be made within 5 minutes of the end of the feature race, and claimed engine must be completely removed within 1 hour from the time claim is made and driver agrees to sell claimed engine.

Claims must be made to official and \$250.00 cash with declaration of intention to claim.

Only driver may claim engine and only driver may agree to sell the engine. First sell or no sell by driver being claimed is binding.

Promoter may claim any engine following feature, so long as claim is made within allotted five (5) minutes.

Refusal to sell forfeits all cash and contingency winnings for feature, any trophies earned in feature, plus all track points for the season. Any driver refusing to sell engine, when claimed within rules, regardless of his reinstatement loses his right to claim any engine for 12 calendar months from date of refusal to sell.

First refusal to sell will result in loss of all points for the season and will also result in driver being suspended from Redwood Speedway events for 30 calendar days and until a \$250.00 fine is paid to the Redwood Speedway.

Any driver found to be claiming an engine for anyone other than himself will lose all points for the season and will be suspended for 30 calendar days and until a \$250.00 fine is paid.

All claimed engines must be removed from the car at the track; buyer must examine engine before removal one removal is started, sale is final.

The cylinder block may not be altered in such a way as to prevent it from being used in stock location.

Drivers are to be held accountable for any sabotage discovered while pulling the engine, and will be responsible for any penalties as a result of any sabotage. Any sabotage discovered to claim engine will result in driver being suspended from Redwood Speedway competition for 30 calendar days and until a \$250.00 fine is paid to Redwood Speedway. The claim will be disallowed and money returned to the claimer.

After a driver has been claimed two times, the next two drivers he/she claims have the option of engine exchange or \$225.00 cash. In the event of any engine exchange, the claiming driver pays for both the engines to be removed. After a driver has been claimed two times, they are eligible to claim as many engines as they have had claimed. (Examples: Once a driver has been claimed three times, that driver will be eligible to claim three engines for the standard \$250.00, and the next two would be exchange option by claimed driver. Once a driver has been claimed four times, he/she will be able to claim four engines for the standard \$250.00 and the next two would be exchange option and claimed driver).

No one driver may claim any other driver more than once during current calendar year.

EIRI (Except in rare instances) some above rules are noted with the EIRI rule-others may apply.

Decisions of Redwood Speedway officials are final and binding-without exception. For information Call Redwood Speedway at (507) 430-6353