

# TNT Demo Derby Light Mod Big Car Class Rules

DO NOT READ ANYTHING INTO THESE RULES, JUST READ THE RULES!! If it doesn't say you can, YOU CAN'T! For any questions on Motor Swap rules please call or text Logan Sorensen @ 231-343-8868.

Type of Cars: Any year sedan or station wagon. No trucks, vans, El Caminos, hearses, 4x4's, limos.

## **A. FRAMES:**

1. You may tilt/pitch but no material can be added.
2. No material may be added to the frame such as metal, wood, and concrete.
3. Seams may be welded A-arms forward.
4. No shortening past the center of core support mounting hole, altering, or shaping of the frame. (Fords must have 18" of frame from factory A-arm bracket to back side of the bumper).
5. No painting or undercoating anywhere on frame.
6. All factory frame holes must remain open.
7. A-arms may be held down solid by welding 2"x 6"x 1/4" flat stock to front and rear of A-arm or a single 1" bolt through the A-arm per side.
8. Tie rods and ball joints may be aftermarket but must be stock appearing.
9. You may run either a 14" bumper bracket (can only be on one side of the frame and as tall or wide as that side of the frame rail is) with (1) 4x4x3/8" plate fresh OR a 6" bumper bracket with (2) 4x6x3/8" fresh.
10. Plates are allowed on fresh AND pre ran cars
11. \*\*You may add 3" x 22" long x 1/4" thick plate to the center of the rear humps that is contoured to the frame.\*\* – call if you have questions –
12. Hump plates must be centered on the hump, no exceptions.
13. Rust damage can be fixed with the same size metal with 1" inch overlaps. Must be able to see the rust damage.

## **B. BODY:**

1. Remove all glass, mirrors, interior plastic, and anything flammable. Remove all decking in wagons.
2. Vehicles must be swept clean of all debris.
3. Body line enhancements or creating your own body lines on fresh cars is permitted. No fresh sedagons. Pre-ran cars may be sedagoned. No added metal to the trunk area of cars – IF a wagon is sedagoned, the bottom of the frame rail must be a minimum of 12" off the ground
4. Hood must be 100% in stock location and open for inspection. Hoods will be fastened down in line after inspection. No going back to your trailers with the cars after being inspected.
5. Trunk lid can be removed, tucked, cut in half, or "v" in the center. No wedging of the rear of the cars. Must have a 12" inspection hole in the lid if secured before inspection. Trunk may be welded solid.
6. 6 total spots of wire can be used on trunk. 2 spots may go to bumper.
7. A 12" hole must be cut in hood above carburetor.
8. Hood can be secured in 6 spots. 1" all thread may be used at core support. You may have no larger than 2"x2"x1/4" spacer welded to the core support mount extending no higher than the top of the core support. This is not allowed to have gussets running forward to the bumper nor back to the frame. The core support mount may go through the frame and hood. Remaining 4 spots no larger than 1" all thread. If using angle iron welded to fender and hood with bolts through them, the angle iron may be no more than 6" long with no more than 2 5/8 bolts per mounting spot.
9. Driver's door may be welded solid. Remaining doors/tailgate may be welded 5" on 5" off vertical seam only with 3" wide strap max. If using wire there is no wire limit on door. You can wire bottom of doors to frame.
10. Body mount bolts may be replaced. Must have 1" bushings/spacers or an after-market equivalence is acceptable.
11. Rusty panels may be patched using no more than 1" overlap using same thickness of metal. Must be able to see the rust damage.
12. If car has been previously ran you may repair body to keep it from falling off. Absolutely NO patching trunk sheet metal.
13. No internal bracing of body.
14. No interior seam welding of body parts.
15. Car must have a safety strap in windshield from roof to cowl. This must be in the center or towards the driver windshield area to protect the driver. A safety strap must be strong enough to stop a bumper or metal from coming through (chain, wire, bar, etc). max 2x2 tube
16. All holes must be covered in firewall to prevent hot fluids from entering the driver's compartment.

## **C. DRIVETRAIN:**

1. Engine swaps allowed. (Chevy to Ford etc.)
2. Any rear end allowed. You may use watts link conversion kits.
3. Mounting area can be no bigger than 8" x 8".
4. Any drive shaft allowed.
5. \*\* Any engine cradle/ distributor protector will be allowed that attaches to the factory motor mount locations. \*\* Aftermarket motor mounts allowed.
6. Floor shifters and headers allowed.
7. Headers must go straight up.
8. Any engine/transmission combo can be used.
9. Radiators must remain in stock location. No additional water supplies. Over flow tanks are permitted. Radiator protectors 1/4inch thick no wider than the factory core support mounts
10. Transmission coolers are allowed. These must be installed in a safe manner as deemed by the inspector.
11. Batteries must be removed and placed inside car mounted securely and covered. You may use (2) 12 volt batteries.
12. You must relocate gas tank to the rear seat area. We prefer these to be cage mounted but if mounted to the floor must be with bolts and washers NOT ratchet straps.
13. All fuel tanks' fuel lines must be covered in a way where they cannot become pinched or cut. Fuel leaks will result in immediate disqualification.
14. Brakes MUST work upon entering the track you must be able to stop at the entrance to confirm working brakes.
15. In addition, if you are not running a Distributor Protector or a full cradle, you are allowed to run kickers (2"x2" max size for kickers) to the back side of the A-arm mount with no more than a 4" x 4" mounting plate. \*If using the kicker option, you must have a 4" cage to driveline gap\*

#### **D. DRIVER COMPARTMENT:**

1. You may have a 4 point cage, uprights must run straight up and down no further forward than the front belly seam/no further reward than the rear belly seam.
2. You must have a rollover bar.
3. You are allowed 1 rear window bar 3x3 tube max!, it may attach to your rollover bar and be mounted no more than 6" on the trunk lid.
4. You are required a minimum of 1 strap in the windshield sheet metal to sheet metal, however your windshield bar may run from the dash bar to the rollover bar.2 inch tube max

5. You may have a gas tank bracket no wider than 32". Gas tank bracket may touch rear fire wall but may not be bolted or welded. Gas tank bracket may not be mounted closer than 6" to rear window bar.
6. 4x4 maximum for cage material. 16" tall door bars max! 4x4" max for any other cage components.
7. Cages are highly recommended. We don't want anyone risking getting hurt. These cars are solid.
8. All cage components must stay within the drivers compartment.

## **E. TIRES:**

1. Valve stem protectors are allowed.
2. You may use bead locks.
3. No studded tires.
4. No wheel weights.

## **F. BUMPERS:**

1. Front and rear bumpers may be loaded factory bumper or after market bumpers built to factory specs. Bumpers are not to exceed 8x8 in diameter or less than 4" of point spread across no less than 32" of the bumper face.
2. You may compress bumper shocks and weld shocks, brackets, and bumpers on. Weld them on good. We do NOT want to pick them up.
3. Any front bumper bracket may be used on any car from the same make. Ford to Ford and GM to GM.
4. Absolutely no bracket or shock may be welded past 6" behind the factory core support mount hole on the frame rail. If your cars factory shock or bracket goes farther than 6" back, it must remain completely factory beyond the allotted 6". Suicide Lincolns and cars that have no core support mount must only go 6" past the vertical part of core support right above the frame rail when mounting the bumper.

## **G. SUSPENSION:**

1. Suspension may be solid, both front and rear.
2. All suspension parts MUST be factory passenger car or truck origin. Meaning stock automotive manufactured parts (Chrysler, GM, Ford, etc)
3. NO AFTERMARKET SPINDLES