

## Minnesota Throwdown 2023

### 80's Light Build

If it doesn't say you can do it, don't assume that you can.

ASK first or don't do it!

- ALL JUDGES DECISIONS ARE FINAL.

- Only 50% of your car can be painted black! NO ALL BLACK CARS!!!!

- 2 – 4"x4" 1/4 Patch Plates on Fresh Car for your choice of

placement. PreRans can have a total of 4- 4" x 4" 1/4 plates. (2 from when Fresh and 2 new.)

- No spark plug wire protectors.

- You MUST make an aggressive hit EVERY 60 seconds.

5} major infraction limit: you go over you get loaded!!!! Here is your warning.

Used cars call Ryan for repairs

### GENERAL CAR PREP

1. ANY 80 & newer Metric Passenger car or station wagon only. No trucks, jeeps, Hearses,

Limousines, sub or full frame Imperials.

2. Sedagons are NOT allowed.

3. All glass, side windows, rear windows, headlights and taillights, must be removed before

reaching the track. Rolling down windows is not permitted.

4. Rear seat of sedan must be removed- top and bottom. On station wagons all seats and

decking must be removed. Station wagons must be emptied to the floorboards.

5. Cars must have a seatbelt and working brakes. MANDATORY!

6. Battery may be moved but must be securely fastened and covered in passenger compartment.

## 7. TWO BATTERIES ARE ALLOWED.

### DRIVER SAFETY

1. Front Windshield Bars are MANDATORY no bigger than 2"x1/4" thick. Attachment points

6" max. Top & bottom must start at the edge of the window opening with no more than two bars vertically. May have a connecting cross bar.

2. All doors can be welded solid no more than a 3" wide strap per vertical seam.

### GAS TANKS AND FUEL PUMPS

1. Stock gas tank MUST be removed from original position and mounted in the rear seat area and secured.

2. All tanks must be steel or aluminum and have a secure cap. A marine tank or fuel cell is

strongly recommended. All lines and fitting must be leak proof and meet approval of the track officials.

3. Electric fuel pumps are allowed. Must be covered with nonflammable material.

4. All lines must be ran inside the car, not along the frame underneath.

5. Gas tank protectors 36" wide max. No higher than 4" above the tank. 4" off the floor if mounted to the cage. MUST BE A 4" GAP BETWEEN GAS TANK MOUNT and or GAS TANK AND PACKAGE TRAY.

6. Gas tank mount may have a halo behind the tank no higher than 4" above the tank vertically.

### RADIATOR AND CORE SUPPORT

1. Radiator must be in stock position.

2. Any automotive type radiator can be used. Aluminum Radiators are LEGAL.

3. No homemade radiators allowed.
4. No reserve tanks and no added cooling capacity.
5. One electric fan mounted to the radiator may be used.
6. DO NOT MOVE CORE SUPPORT.
7. Factory condenser or  $\frac{1}{8}$  expanded metal only may be bolted in with (6) -  $\frac{3}{8}$  bolts.
8. Core support spacer MAY be welded 3x3 max O.D.tube.
9. Core support (1" threaded rod max)
10. You may shorten the bottom of ur core support . No added metal.
11. (2) 6"x3" x  $\frac{1}{8}$  flat strap with 4 pieces of  $\frac{3}{8}$  threaded rod to hold radiator in. Bolted or welded to  
the core support.

#### BODY

1. Must have stock body mounts. (Do not even touch them!)
2. Core support (1" threaded rod max.)
3. No body seams may be welded. No metal may be added or creased.
4. No doubling of body panels allowed. No added metal allowed.
5. Doors may be chained or wired. If welded- 3 Inch wide  $\frac{1}{8}$ " flat strap; only VERTICAL seams may be welded; and must run with door seam. Nothing on top or bottom seams.
6. If you use wire or chain, you get (6) places per vertical seam.

#### HOODS

##### MUST BE OPEN AT INSPECTION!

1. Hoods must have two (2) holes, at least four (4) inches in diameter on each side of the  
carburetor. If the hood is removed, either the fan or fan belt must be removed. May have up to 10  $\frac{3}{8}$ ths bols holding hood together
2. Hoods may be secured by 2 pieces of all thread outboard the radiator. Cannot be sleeved.

\*Meaning spacer/square tube stops at bottom side of core support\*

\*May fold hood openings to help hold the hood together\*.

3. 2 pieces – 1” threaded rod. 3x3 max od washers.

4. (4) LOCATIONS of #9 wire, 5/16 chain or angle 2x2x2 inches long weld to top of the hood and fender with a ½ bolt per location. ( only if your hood is aluminum you can weld the angle to the fender under the hood and bolt through your hood.)

5. You are allowed (2) locations of #9 wire from bumper to core support.

#### TRUNK/BODY/CAGE

1. You can have (8) places of #9 wire to sheet metal only OR (8) 3/8 bolts and washers through the rain channel.

2. You may weld washers 2 ½ O.D. Max to the sheet metal only for your #9. Do Not weld washers over seam on the trunk lid or weld the washers for your 3/8 bolts.

3. (2) locations of Max 1” threaded rod welded to the side of the frame 4” on each side-  
(1)

3x3 washer OD & (1) nut per threaded rod.

4. (2) of your places of #9 may go to frame or bumper.

5. You may have a single 90 degree bend any way in your trunk lid.

4. Must have inspection hole large enough to inspect inner trunk.

5. NO creasing of the quarter or fenders. Meaning do not pinch the metal together.

6. You may only dish/beat in the quarters. Outside layer only.

7. A 6” x 6” plate may be used in aiding it to be attached to floor sheet metal. Roll over bar can be bolted to the roof.

8. No more than 6” attachment point off of the rollover bar max.

9. The cage can be welded to sheet metal only.

10. (4) down posts two (2) per side. Roll over bar counts as 2 if ran to the floor.

11. Cage can be made from nothing bigger than 4” pipe, 4” square tubing, or 2”x 6” box tube MAX. All cage other than gas tank protector must be within a 60” window.

12. All down tubes must be at or behind the dash bar, straight up and down and above

the

side rail. Welded to sheet metal only. Must be a min of 4" away from the wheel tub.

13. Gas tank protectors 36" wide max. No higher than 4" above the tank. 4" off the floor if

mounted to the cage. MUST BE A 4" GAP BETWEEN GAS TANK MOUNT and or GAS TANK AND PACKAGE TRAY.

14. Gas tank mount may have a halo behind the tank no higher than 4" above the tank vertically.

15. You may have a door plate from cage to floor/rocker sheet metal on the driver side only. Inside

door seam to inside door seam.

#### FRAMES/SUSPENSION

1. Spring spacers are allowed but nothing may reinforce structure of car (spacers are meant

to simplify the build), may kick or change coil springs. Must be factory passenger car springs only.

2. Tie rods must be oem with factory ends. May weld the factory sleeves. No visible added

metal.

3. Factory spindle swaps are ok- Ford to Chevy, etc..

4. You may use replacement ball joints with new stock ones. No Aftermarket.No welding.

5. You may change A-arms from new style to old style A-arms. Must bolt on.

If you choose to weld ur A- arms down with 2) 2 x 2 plates that counts as one of your fix plates.

6. NO all-thread shocks.

7. 03+ you may extend the bottom of your strut for ride height. Bolt on only.

8. No welding, plating, or reinforcing of the frame or suspension.

9. All factory frame holes must be left open.

10. Any reinforcing of frame found will result in disqualification. NO fixing allowed...

YOU WILL BE LOADED!

11. Sub frame cars cannot be tied together. If you want to run a full frame car, buy a full frame car, don't build one.

12. CORE SUPPORT AND CORE SUPPORT MOUNT MUST REMAIN IN FACTORY LOCATION. You

may shorten front frame up to your core support to square the frame to mount your bumper.

13. You may shorten the front frame rails on Lincoln or Mercury up to ½" in front of the weld on the side of the of the core support mount.

14. Aftermarket steering columns are ok.

15. Rear frame rails may not be shortened.

16. You may use 3/8 chain or wire from your axle to the frame hump. ONE PLACE PER SIDE. NO WELDING.

17. NO frame shaping. May only dimple rear rails to aid in getting the rails to role/bend top

only.

## BUMPERS

1. Bumpers maybe loaded. Everything inside factory envelope of the bumper. Holes may be

plated over or filled in. Flat aftermarket or light radius bumpers are allowed. OR call to get your bumper approved.

2. Homemade bumpers must be safe with no sharp points. Homemade bumpers must be

no more than 9 inches measured in a straight line with no more than a 5-inch point tapered out.

3. Bumpers may be hardnose. with the factory shock in the frame

4. You may weld your bumper on no more than 6" back on the frame any way you would like measured from the back of the bumper. Bumper may NOT slide into frame.

5. You may shorten your frame to the core support mount. DO NOT MOVE THE CORE SUPPORT MOUNT

**\*\*NO WELDING or Bolting Further than 6" FROM BACK OF BUMPERS FRONT OR REAR\*\***

If you have questions about this, please call!

**\*\*This is to aid in keeping bumpers off the track.\*\***

1. bumper must stop at the end of the frame rails

6. Bumpers can be no higher than 22" from the ground to the bottom of the bumper OR lower than 16" from the ground to the bottom of the bumper.

#### ENGINE AND TRANSMISSION

1. Any engine or transmission may be used in any car, must be mounted within 6" of the original engine. Engine cannot protrude into the passenger compartment before the race.

2. Lower engine cradle with front plate and pulley protector only 1/2" max. You may not run a sway bar if you run the pulley protector.

3. Cradle can not go past the center of the engine on the sides. No protectors higher than the valve covers except Header Protectors. They can be connected by a single 1/2" thick or thinner 3" wide strap. 1" gap above air cleaner. NO spark plug protectors, DP's, or carb halos.

4. You may run aftermarket engine and transmission mounts.

5. You may fill in or space your engine mounts up off the frame but plate/ spacer must be not exceed a 6"x6" area on the engine cradle only. Factory cradle seams must be visible.

6. Transmission oil coolers and engine oil coolers are permitted. They must be secure, contained, and covered inside the car for the driver's protection. May not reinforce car.

7. Factory aluminum engine cradles in 2003 and newer cars may NOT be changed. No homemade cradles. Gray area cradles allowed only if you do not run an engine cradle on ur engine.
8. 03+ you may fabricate a 6"x6" mounting pad to attach your motor mounts to must stay within a 6x6 area on the aluminum only. you may bolt through the alum.
9. HOMEMADE gas pedals and shifters are allowed but may not reinforce the car in anyway. DO NOT BOLT OR WELD THEM TO THE FIREWALL.
10. OEM crossmember OR 2"x2" a straight piece of square tube not solid.
11. May weld a piece of 3"x3"x6" angle to frame to aid in attaching crossmember only abuse this and you will cut.
12. No aftermarket tailshafts. If you are running an aluminum bell housing the bell may not come in contact with anything.
13. You may run a JW trans bell or similar contour to be the same as stock bell. May not be pressured into the body before the derby.

#### REAR END

1. Any rear end allowed. If your rear end has a brace it must be 5" away from the frame.
2. Slider drive shaft is permitted.
3. You may have (5) places per side of #9 wire for leaf spring clamps (2) wraps per place.
4. Any oem factory trailing arms only to mount rear end no welding .
5. No watts conversions.
6. You may use 3/8 chain or wire from your axle around the frame / hump. ONE PLACE PER SIDE. NO WELDING.

#### TIRES

1. Any Tires and wheel combo must have a tire- cannot run just a rim. With exception of



NO

split rims or studded tires. No bead locks on the outside or fully plated wheels on the outside.

2. Bead protectors allowed no bigger than the rim. No wider than 2”.

3. Full wheel centers are fine, But must have a stock face of a wheel in front of it.

Any question call or text Ryan @ 317 801-1410

Everybody needs to read and re-read these rules.

If you are found to be over built for these rules, you will be given 2 options:

A. CUT OR REMOVE ILLEGAL PARTS.

B. LOAD ON TRAILER AND GO HOME.

BUT IF YOU ARE CAUGHT HIDING ANYTHING IT IS AN AUTOMATIC

DQ

Either way you will NOT RECEIVE A REFUND.

#### RULE BOOK DISCLAIMER

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements. NO EXPRESSED OR

IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.