

**Fifth Annual Tim Tygart Memorial Turkey Derby**  
**Saturday, November 27, 2021 at 3:00 P.M.**  
**Sunday, November 28, 2021 at 12:00 P.M.**

**Pre-Entry deadline to receive a driver shirt for this class is**  
**November 1**

**For tech/rule questions for this class please contact**  
**Billy Estep @ 567-230-3608**

### **80's Wire Class Rules**

Type of Cars: Any American-made sedan or station wagon 1980 and newer. No trucks, vans, El Caminos, hearses, 4x4's, limos, Imperials or Imperial sub-frames.

#### **A. Body**

1. All glass, plastic, and interior must be removed before arriving to the event.
2. Drivers Door may be welded solid outside seam only. All other doors must be wired, chained, or banded shut. 8 double strands of 9 wire permitted per door.
3. Deck lids must be in original position above rain channels or they may be removed from car. No wedging. Body creasing is ok.
4. Deck lids may be wired shut ONLY. You may use 8 double strands of #9 wire, and 2 of those may go around bumper and/or frame. No welding permitted. You must have a 12" x 12" inspection hole in deck lids.
5. You can weld a standard 5/8" washer to the body of the car for your wire to go through.
6. Hood can be wired shut ONLY. You may use 8 double strands of #9 wire, and 2 may go around bumper and/or frame. Hoods must be open for inspection. (12" x 12" hole over carburetor).
7. Factory body bolts may be changed to 5/8" bolts. There must be a 1" gap between body and frame. You can use steel spacers, hockey pucks, or a stack of washers none of which may be bigger than 3" in diameter. Body washers inside of car can be no bigger than 3" in diameter.
8. No seam welding will be permitted on body. Repairing sheet metal is limited to where the battery box, gas tank, and driver's area of the floor boards of the car.
9. Front body space may be 4" tall maximum.
10. You may use expanded metal or a factory air condenser on core support in front of radiator this may be attached with 4 – 3/8" bolts or 4 – 1" welds
11. Rear window may have no more than 4 strands of #9 wire in one location running from the top center of the window no more than 4" from the window opening to the front of the trunk lid no more than 6" back on the trunk.
12. You must have a windshield wire or strap from the center of windshield to the center of dash bar or wire only to the cowl if you do not have the cowl cut out.

## **B. Cage**

1. You may have a bar in the dash area and a bar behind the seat with bars connecting the dash and rear bar on each side. Side bars must be inside of car not inside of doors. Roll over bar is permitted. No down legs permitted. Gas tank protectors are permitted no wider than 32" permitted.
2. Gussets permitted in corners of cage but must only be done at corners. Bars may be no larger than 4" in diameter. You may use a 10" X 10" X 1/4" plate to attach bars to the sheet metal. No kickers or down legs permitted.
3. All cage components including dash bar, center bar, and corner gussets must be 5" from firewall. Absolutely nothing can be placed between the cage and the firewall/distributor protector. Rear seat bar may be no farther back than where the kick panel meets the seat. All bars must be 5" off the transmission tunnel.
4. Original gas tank must be removed and replaced with a boat-type tank or fuel cell. Moved inside of car behind driver's seat but no further back than rear axle. Batteries must be moved to passenger side floor board and securely fastened. These must be covered with a rubber or non-flammable material.

## **C. Frames**

1. Cars frames must be stock.
2. No plating of the factory engine cradle.
3. No painting of the frames.
4. Trailer hitches and braces must be removed. No frame welding other than what is stated in the rules.
5. No frame shaping or hammering permitted. You may crease, notch, or dimple rear 12" of the frame to help car roll.
6. No tilting OR COLD BENDING of frames will be permitted. No seam welding on frames permitted.
7. On pre-ran cars you may use 2 - 3" X 3" X 1/4" fix it plates where frame is bent.
8. No shortening of frames past the factory front seam of the factory core support mount. Front mount must remain visible with bumper mounted.

## **D. Bumpers**

1. Bumpers may be welded on. No additional metal allowed. You may only weld the factory brackets or remove the factory brackets and weld bumper straight to frame.
2. On the back side of bumper where shock mounts you may use a 6" X 6" X 1/4" piece of flat metal to create a flat mounting surface. No additional metal may be used.
3. Bumper swaps are allowed. Must be factory car bumper. Any year bumper permitted. Bumpers may be loaded. All work must be done inside of the bumper. They must factory appearing.
4. Car must set level. Bumpers cannot be higher than 22" to bottom of bumper or lower than 15" to bottom of bumper.

## **E. Drivetrain**

1. Any car motor of choice is permitted.

2. No chains on engine permitted.
3. Angles for cross member can be no longer than 5" and must be within 12" from factory location.
4. You may use any transmission mount.
5. Full engine cradles are allowed. You may use a distributor protector and lower engine cradle with pulley protector.
6. You may use factory or pre-approved aftermarket engine mounts such as those provided by Ski Inc, NLR, etc. These must have either neoprene or rubber bushings and may be no larger than 6" x 9".
7. You may use aftermarket break and gas pedal, shifter, reinforced tie rods, steering column, and slider drive shaft.

## **F. Suspension**

1. Tie Rods may be reinforced. Any rear end permitted. Cars must be stock unless otherwise noted in rules.
2. Watts link conversions on 98 and newer cars are permitted. You may use no larger than 2" X 3" X 1/4" tubing or 2" round pipe for rear trailing arms.
3. You may also use no larger than 2" X 3" X 1/4" tubing or 2" round pipe for rear trailing arms on all others.
4. You can weld front A-arms down using a 2" X 2" X 1/4" piece of steel front and back side of A-arm.
5. No spacers or other metal permitted in, on top of, or around coil spring inside of frame on front coil springs.
6. Rear coil springs may be wired or chained. Solid suspensions are allowed. Cars do not have to bounce. Front coil springs must remain stock car coil springs. You may use 1" all thread for rear shocks.
7. You can use screw-in spacers to get ride height.
8. Leaf spring cars must remain factory springs for that make and model. No more than 4 spring clamps permitted. (2 per side) You cannot change coil spring to leaf spring set ups.

## **G. Tires**

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

## **H. 03 and Newer Ford Rules**

1. You may use pre-approved bolt in engine mounting systems manufactured by companies such as SMW, etc. These may not be altered in any way to mount any suspension components.
2. All suspension mounting points must remain factory. The factory upper a-arms may be manipulated for proper spindle angle/ride height.
3. Steering (rack & pinion) may be reinforced or upgraded but must remain factory appearing. Tie rods may be reinforced.

4. Engine and transmission mounting must follow guidelines set above for all other cars in this class.
5. Same frame shortening rules apply as above.

Turkey Derby