

# 2024 PURE STOCK RULES

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 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 REGULATIONS. They are a guide and are in no way a guarantee against injury or death to a participant, spectator, or official.

Harris Speedway/ Cherokee Speedway

retains the right to make all decisions and reserves the right to make any rule changes/amendments with dispute or appeal.

ALL VEHICLES, COMPETITORS, AND TEAMS SUBJECT TO CHEROKEE SPEEDWAY

GENERAL RULES AVAILABLE AT THIS LINK:

[www.cherokeespeedwaysc.com](http://www.cherokeespeedwaysc.com)

## Protest

\$400- Two item (\$100 Accept)

\$300- Cam (\$100 Accept)

\$750- Transmission Claim (\$50 Accept)

\$125- Torque Converter (\$25 accept)

## 1. GENERAL

1.1- STOCK UNLESS OTHERWISE STATED

1.2 - Tech man has right to check this every week

1.3 - No nitrous or traction control

1.4 - May run engine fan or racing aftermarket fan ok. NO electric fans. NO PLASTIC.

1.5- May run air breather, aftermarket ok. Cannot protrude through hood. No air box.

1.6 - 14" or 15" rims only. Battle bands allowed on Stock wheels or headlocks. Bead lock must be facing the outside of the car. Mud covers are allowed on any wheels.

1.7 - 7" racing wheels legal - must have 3" OR 4" backspacing but all wheels must be the same - no spacers.

1.8 - No dot racing tires

1.9 - Tires - any 70, 75, or 78 series street legal D.O.T. Tires - doesn't have to be same size

2.0 - No truck, mud grips, high performance, directional, special order, snow, trick gumball, fancy, or exotic tires of any kind

2.1- Large 1" lugnuts are ok. Aftermarket studs are ok.

2.2 - Battery may be moved to inside driver's compartment or trunk, but must be enclosed and securely mounted

2.3 - All vehicles must have seamless tubing 4-point roll cage with X braced hoop behind driver and a minimum of three door bars with vertical bracing from top to bottom. Where bars connect to frame must be a minimum 1/4-inch steel plate welded to frame in a secure and safe manner.

Main components of 4-point cage and driver's door bars must be at minimum 1.5"x.095" tubing.

2.4 - May run bars to radiator cradle, with one loop in front. Bracing ok for bumper.

2.5 - May run bars to back but no bumper bars protruding outside

2.6 - Fuel cell mandatory with 22 gallon max, must be mounted securely inside of trunk with steel firewall between driver and fuel cell - hole in trunk may have 3" clearance cut around cell

2.7 - Front fender wells may be removed

2.8 - No lead or any weight may be added to car

2.9 - Exhaust must be stock cast iron. Pipe must be straight and same size as collector. No center dump manifolds. No x, h, or y pipes.

3.0 - Aluminum radiator ok

3.1 - Radiator cradle may be replaced with 1" square tubing or smaller. Bottom and sides must be inside of frame rails, top may go from fender to fender.

3.2 - No gutting of hood (may make clearance for radiator cap)

3.3 - Cars must have number on sides and top and able to be read by score tower

3.4 - Stock brakes

3.5 - Ford solenoid ok

3.6 - Radiator, and fan shroud can be made from aluminum

3.7 - Aftermarket fuel pump, alternator, power steering pump and starter ok

3.8 - Stock unless otherwise stated

## **2. BODY - visual protest only**

1.1 - Stock unless otherwise stated

1.2 - 1968 or newer American made car

1.3 - Complete stock body must be retained. Can cut 2" below factory crease to replace body panels, must be 20 gage steel and look stock

1.4 - May use steel doors but must look stock and I do mean stock 20 gauge steel

1.5 - May run rubber nose - top and bottom OK

1.6 - May replace stock bumper with tubing, 1 3/4" .095 or smaller (corners must be tuned with no sharp edges.) Bracing ok.

1.7 - No cutting, chopping, channeling, shortening

1.8 - Hood hinges may be removed

1.9 - All chrome, plastic and glass must be removed

2.0 - Steering column can remain stock, or replace with rod, may use quick release steering wheel · may use hood pins to hold hood down

2.1 - All firewall holes must be covered

2.2 - Must have stock firewall in original location

2.3 - May replace dash with sheet metal

2.4 - Throttle rod and racing gas pedal may be used

### **3. WHEELBASE / FRAME**

1.1- Stock only

### **4. ENGINE - BOTTOM END**

1.1 - Engine must be strictly stock for that make and model and in original mounts NO MORE THAN 358 cubic inch

1.2 - Repaired engine parts must be approved by tech.

1.3 - ARP rod bolts ok

1.4 - Stock type oil pans only, no baffles

1.5 - 1-piece rear seal block ok 1.6 - No high-performance engines

1.6 - .060 over bore max.

1.7 - Stock blocks only

1.8 - Must be stock replacement low compression piston

1.9 - No flat top 4 eyebrow piston - must be dished

2.0 - No cutting tops of pistons

2.1 - Speedpro H423 NCP replacement piston ok

2.2 - Pistons must be at least .009" in block

2.3 - No bottoming of lifters or pump up lifters

2.4 - Stock crankshaft

2.5 - No knife edging or lightening, etc

2.6 - Cast crank must weigh 48 lbs.

2.7 - No stroking or de-stroking

2.8 - Journals may be turned no more than .060"

2.9 - Rod width may not be less than .940

3.0 - Stock timing chain gear set or Cloyes C-3023X old or new style.no offset keyways

3.1 - No offset woodruff keyways

3.2 - Balancer 6 3/4 by 1" no machining

3.3 - No powder rods in any engine

## **5. HEADS**

1.1 - Open chamber heads only. No High Performance heads

1.2 - Heads may be cut to minimum of 72cc.

1.3 - No angle milling

1.4 - Stock size of valve for make and model

1.5 - No under-cut or cutting of valves

1.6 - Valve springs can be z28 springs. 0.194 Max. Wire diameter. 2.050 Maximum length.

1.7 - Shims can be used under valve springs with a limit of .60 per spring · may use off set locks but not with shims

1.8 - Any stock steel replacement retainers or equivalent or heavier than stock rocker arms must be stock, no self-aligning. 1.5 Ratio.

1.9 - No porting or polishing

2.0 - Steel valves only

2.1 - Stock stem diameter

2.2 - Cannot run 993 or 441 heads

2.3 - No competition valve job - 3 angle valve jobs allowed. Valve seat angles must remain Stock as from GM.

2.4 - No bowl cuts or machining under the 60' angle.

## **6. INTAKES**

1.1 - Stock cast iron

1.2 - No Holley pattern factory intakes

1.3 - Aluminum intakes on factory original cars must remain unpainted · Can block off exhaust gas crossover

## **7. CARBURETOR**

1.1 - must be a stock 2 or 4 barrel only

1.2 - No modifications except choke flap removal

1.3 - No removal of choke horn

1.4 - No spacer of any kind 1/4 inch gasket only

## **8. CAM**

1.1 - Stock timing chain only

1.2 - Cloyes C-3023X adjustable timing chain is permissible, old or new style.

1.3 - .390 - .410 lift

1.4 - 112 lobe separation +/- 1 degree

1.5 - Advancing or retarding the cam in car with adjustable timing ok · Cloyes C-3023X only – no cam buttons

1.6 - Stock cam or stock replacement cam only

1.7 - Duration for intake + a 2 degrees variance

1.8 - .006 - 256 degrees

1.9 - .050 - 195 degrees

2.0 - .200 - 95 degrees

2.1 - Duration for exhaust + a 2 degrees variance

2.2 - .006 - 261 degrees 2.3 - .050 - 202 degrees

2.4 - .200 - 106 degrees

2.5 - Must have 18" vacuum at 1000 rpm

2.6 - Hydraulic cam and lifters only

2.7 - Cams CS-274 Sealed Power and CCS-2 Melling are ok. All cams will be required to meet the above specifications.

## **9. TRANSMISSIONS**

1.1 - Automatic transmission torque converter stock type and 11" minimum · may have a cooler mounted in the driver's compartment · automatic transmission only - no power glide

1.2 - May run an aftermarket shifter.

## **10. DRIVE SHAFT**

1.1 - has to be stock for model of car

1.2 - No carbon fiber

1.3 - A "U" or square type safety loop on front of drive shaft assembly is required

## **11. IGNITION**

1.1 - Stock type ignition

1.2 - Stock type HEI distributor only, No circuit boards.

1.3 - No high performance distributors or high performance parts · no altering firing order

1.4 - Aftermarket plug wires ok

## **12. REAR ENDS**

1.2 - Must be stock for make and model 1.3 - No gear lower than 3.73 1.4 - May weld spider gears.

1.4 - May use 4 piece MINI spool locker

1.5 - Posi traction rear is permissible

1.6 - Shocks must be in stock location

1.7 - No lightening of any parts

1.8 - All components must be made of steel

## **13. SUSPENSION**

1.1 - Shocks must be O.E. or O.E. replacement type only, no improved performance shock of any type including but not limited to Bilstein, QA1, etc. No modifications to shocks whatsoever including painting. Shocks must have visible manufacturer part number or identifying manufacturer mark.

1.2 - Rear springs must be identical. Replacement rear springs ok, must be the same on both sides, leaf lengths & leaf thickness.

1.3 - Front springs must be stock, identical side to side, with 1/2" tolerance allowed on overall uncompressed height between the 2 sides. No heating or cutting. Front sway bar must be same length, 1/2" tolerance.

## **PROTEST AND CLAIM RULE**

**BOTTOM END PROTEST \$600,**

-Acceptance fee \$200, -Track retains \$200.

Pick one of the following:

1) Remove crank weigh and inspect crank and journal, visual rod and piston from bottomnot removing. Crank will be weighed with gear and pilot bushing

2) Remove 1 rod and piston from the engine. Visual crank and journals in place.

**PROTEST ANY 2 ITEMS - \$400 -acceptance fee - \$100**

**PROTEST CAM \$300**

-acceptance fee - \$100 -track retains \$100

**CLAIMER RULE ON TRANSMISSION - \$750- May buy torque converter for additional \$125. Track retains \$50 for transmission and \$25 for converter. Must claim transmission in order to claim torque converter. \*\*Competitor being claimed may back-buy from**

person claiming; \$600 transmission, \$75 torque converter.

- Can use transmission for one of the three protested items but it is a visual inspection only to check for type, will not be removed from car

- Shock buy rule \$50 per corner. \*\*Competitor being claimed may back-buy person claiming; \$40 per corner.

Looking for small or unimportant errors or faults will not be tolerated or allowed. We are aware that this rule book may not cover every situation or issue. Officials have final say on ALL protested or claimed item issues.

**Tech man has final say**