

# 2024 LS SPORTSMAN 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 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 HARRIS GENERAL RULES AVAILABLE AT THIS LINK: [www.harrisspeedway.com](http://www.harrisspeedway.com)

## Rules

1. ALL BALLAST MUST BE SECURELY FASTENED WITH BOLTS AND/OR WEIGHT CLAMPS. DUCT TAPE AND ZIP TIES ARE NOT ACCEPTABLE. MUFFLER CLAMPS ARE NOT ACCEPTABLE.
2. BALLAST MUST BE PAINTED WHITE WITH CAR #
3. MUST HAVE WORKING FIRE EXTINGUISHER IN CAR, UNLESS RUNNING FIRE SUPPRESSION SYSTEM.
4. MUST HAVE SFI APPROVED 5 POINT HARNESS THAT IS IN DATE. (3 YEARS OLD MAXIMUM)
5. MUST HAVE A WORKING RACECEIVER/NITRO BEE/SWITCH AT ALL TIMES WHILE ON THE RACING SURFACE. TUNED TO 454.000
6. FULL CONTAINMENT SEATS AND HEAD RESTRAINT RECOMMENDED AT ALL TIMES.
7. CARS DEEMED UNSAFE TO RUN OR THAT FAIL PRETECH WILL NOT BE ALLOWED TO RACE AT THE TECH OFFICIALS' DISCRETION.
8. RACING SEATS REQUIRED, MUST FIT DRIVER, BE SFI APPROVED, AND MUST BE BOLTED TO ROLL CAGE
9. NO ALUMINUM OR TITANIUM CAGES OR TUBING PERMITTED. ALL TUBING MUST BE A MINIMUM OF 1 1/2 INCHES AND A MINIMUM OF .095 WALL THICKNESS. THREE BARS IN DRIVER'S SIDE MANDATORY, TWO BARS IN RIGHT SIDE MANDATORY. MUST HAVE A MINIMUM OF 1 INCH BAR, .083 WALL THICKNESS IN HALO SECTION RUNNING EITHER FRONT TO REAR OR DIAGONAL ACROSS. MUST HAVE A ROCK GUARD WITH A MAXIMUM OF 4IN BETWEEN BARS.

## **WEIGHT:**

1. 3,000 LBS MINIMUM WEIGHT AT ALL TIMES.
2. NO WEIGHT BREAKS, NO BURNOFF.

## **WHEELBASE:**

1. STOCK WHEELBASE FOR CHASSIS BEING RAN.
2. ANY CHASSIS WITH A WHEELBASE OTHER THAN +/- 1IN FOR MAKE AND MODEL WILL NOT BE ALLOWED
3. NON-LEAF SPRING CARS MAY RUN TUBING SQUARE OR CIRCULAR FROM BUCKETS TO BUMPER.
4. NO CARS UNDER 108IN WHEELBASE

5. MONTE CARLOS, CAMAROS, NOVAS ETC PERMITTED
6. REAR WHEEL DRIVE VEHICLES ONLY.
7. NO STRUT OR COILOVER TYPE CARS
8. NO CUTTING OR SHORTENING OF WHEELBASE/FRAME IN ANY WAY UNLESS OTHERWISE STATED.

**CHASSIS & SUSPENSION:**

1. MUST HAVE SEALED DRIVER COMPARTMENT.
2. FRONT AND REAR SUSPENSION COMPONENTS MUST REMAIN STOCK OR OEM STOCK TYPE FOR TYPE OF CHASSIS RUNNING, UNLESS OTHERWISE STATED. THIS INCLUDES BUT IS NOT LIMITED TO DRAG LINK, TIE RODS, SPINDLES, IDLER ARM.
3. STEERING MUST BE STOCK TYPE/OEM REPLACEMENT.
4. QUICKENERS AND COLLAPSIBLE STEERING SHAFTS ALLOWED.
5. STOCK LENGTH AND TYPE REAR TRAILING ARMS ONLY. OEM UPPER REAR TRAILING ARMS MAY BE SHORTENED FOR PINION ANGLE.
6. A-FRAMES - UPPER CONTROL ARMS MAY BE TUBULAR STEEL OR MODIFIED OEM. NO ADJUSTABLE A ARMS
  - a. MUST USE STOCK PERCHES.
7. LOWER CONTROL ARM MUST BE OEM FOR FRAME USED, MUST REMAIN UNALTERED AND IN STOCK LOCATION.
8. ANY STOCK TYPE BALL JOINT PERMITTED. SCREW IN OK. (MAY NOT BE LONGER, BIGGER, SMALLER, REBUILDABLE, ADJUSTABLE ETC.) ¼" TOLERANCE.
9. SOLID RUBBER OR STEEL BUSHINGS ALLOWED. MONOBALLS NOT PERMITTED
10. FRONT SHOCKS MUST BE IN STOCK LOCATION.
11. SHOCKS MUST BE O.E. OR O.E. REPLACEMENT TYPE ONLY, NO IMPROVED PERFORMANCE SHOCK OF ANY TYPE INCLUDING BUT NOT LIMITED TO BILSTEIN, QA 1, ETC.... NO MODIFICATIONS TO SHOCKS WHATSOEVER INCLUDING PAINTING. MUST HAVE VISIBLE MANUFACTURER PART NUMBER OR IDENTIFYING MANUFACTURER MARKINGS.
  - a. 1 SHOCK PER CORNER.
12. STOCK REAR FRAMES MAY BE REPAIRED FROM CENTER OF REAR END HOUSING TO REAR BUMPER WITH SQUARE TUBING OR 1 3/4", .095 MINIMUM THICKNESS ROUND TUBING.
13. NO PANHARD BARS OR Z BARS OF ANY TYPE.
14. NO UNDERSLUNG REAR SUSPENSION ALLOWED.
15. ADJUSTABLE FRONT AND REAR SPRING BUCKETS OK, MAY RUN JACKING BOLTS IN REAR ONLY.
16. RACING SPRINGS OK.
  - a. 13 INCH MAX ON ALL 4 CORNERS
  - b. ONE SPRING RUBBER PER SPRING ONLY.
  - c. NO PROGRESSIVE SPRINGS, DUAL RATE SPRINGS, STACK SPRINGS.
17. STOCK SWAY BARS OK, SIDES MAY BE DIFFERENT LENGTHS.
18. ALL SUSPENSION MOUNTING POINTS MUST BE IN STOCK LOCATION.

**BODY:**

NON-PROTEST ITEM GOVERNED BY OFFICIALS: THOUGH THEY MAY NOT BE PROTESTED THE BODIES MAY BE OBSERVED, MEASURED, ETC. AS NECESSARY. IF OFFICIALS DO NOT APPROVE, YOU WILL BE ASKED TO CHANGE IT, ADD WEIGHT OR ANYTHING DEEMED NECESSARY BY THE OFFICIALS. AFTERMARKET DIRT BODIES ALLOWED. ALL BODIES SHOULD CARRY ORIGINAL BODY LINES WITHIN REASON. CAR MUST BE NEAT IN APPEARANCE. STOCK STEEL BODIES OR ALUMINUM AFTERMARKET BODIES ALLOWED. BODY WIDTH MAY NOT

EXCEED 72" AT THE TOP OF DOORS OR QUARTERS AND 75" AT THE BOTTOM OF DOORS AND QUARTERS.

**ROOF:**

1. THE MINIMUM ROOF SIZE IS 48" X 50".
  - a. NO FLAT ROOFS, MUST HAVE ROLL OR SHAPE.
  - b. NO SLANT ROOFS.
2. ROOF REQUIRED UNLESS OTHERWISE NOTIFIED.

**NOSE:**

1. NO FINS OR FLARES EXTENDING OVER THE HOOD OR FENDERS OF THE CAR. NO LATE MODEL FENDER FLARES.
2. NO MD3, WEDGE OR LATE MODEL STYLE NOSES. ALL NOSES SHALL BE MOUNTED RELATIVELY STRAIGHT UP AND DOWN. DO NOT LAY THE NOSES BACK TO CREATE A WEDGE NOSE.
3. NOSES SHALL BE MOUNTED AT A CONSISTENT ANGLE FROM LEFT TO RIGHT.

**TAILPIECE:**

1. TAILPIECE REQUIRED. BARS MUST BE ROUNDED OR FLAT ON ENDS.
2. BARS MAY NOT EXTEND BEYOND SHEET METAL ON REAR OF CAR.
3. THE TAILPIECE MUST EXTEND FROM THE TOP OF THE DECK TO THE BOTTOM OF THE FRAME HORNS. THE TAILPIECE MUST BE MOUNTED VERTICALLY WITH NO SLANT. THE TAILPIECE MUST ALSO EXTEND FROM QUARTER PANEL TO QUARTER PANEL AND MINIMUM 16" TALL. NO HOLES OR FLAPS.

**COCKPIT:**

1. MUST RUN COMPLETE, ENCLOSED COCKPIT.
2. MINIMUM OF 22 GAUGE SHEET METAL OR .040 ALUMINUM.
3. IT IS RECOMMENDED THAT THE DRIVERS DOOR IS PLATED WITH .25" STEEL.
4. 13" MINIMUM OPENING FRONT SIDE AND REAR OF DRIVER.
5. FIRE WALL REQUIRED BETWEEN DRIVER AND FUEL CELL. MINIMUM OF 22 GAUGE STEEL/ SHEET METAL.

**SPOILER:**

1. ONE (1) MAXIMUM 6"X60" SELF SUPPORTING SPOILER PERMITTED ON THE REAR OF THE CAR.
2. NO ADDITIONAL SPOILERS OR FINS ANYWHERE ON THE CAR.
3. SPOILER MUST BE MOUNTED AT THE SAME ANGLE LEFT TO RIGHT
4. 1 INTERIOR ROCK/MUD GUARD ON THE RIGHT SIDE OF THE DRIVER WILL BE PERMITTED UNDER THE FOLLOWING CRITERIA. MUST BE MOUNTED ON THE RIGHT SIDE OF THE DRIVER AND CAN NOT BE TALLER THAN THE HEIGHT OF THE DASH. THIS ROCK GUARD MUST BE MOUNTED TO THE DECK AND MUST BE MOUNTED FROM FRONT TO BACK; WITH A MAXIMUM OF 2 INCHES OF SKEW FROM LEFT TO RIGHT.

**DECK HEIGHT:**

1. THE MAXIMUM DECK HEIGHT IS 42 INCHES. THERE IS NO TOLERANCE FOR THIS MEASUREMENT.
2. MUST HAVE DECKLID

**HOOD:**

1. BREATHER MUST BE UNDER THE HOOD OR BOXED IN ON ALL 4 SIDES. MAXIMUM 4". MAY NOT PULL AIR FROM INSIDE THE CAR.
2. NO ADDITIONAL HOLES IN HOOD EXCEPT HOOD PIN HOLES.

**DOORS AND QUARTER PANELS:**

1. DOORS MUST HAVE A BREAK OR OUTWARD ROLL TO THEM. NO FLAT SIDES AND FLAT DOORS.
2. NO BODY SKEW FROM LEFT TO RIGHT LIKE A LATE MODEL. ALL PANELS MUST BE RELATIVELY STRAIGHT FROM THE FRONT OF THE CAR TO THE REAR OF THE CAR.

**SIDE SKIRTS:**

1. MINIMUM OF 5 INCHES AT RIDE HEIGHT FROM PLASTIC TO GROUND.

**REAR END:**

1. STOCK MOUNTING ONLY
  - a. NO ADDITIONAL MOUNTING HOLES, SLIDERS OR ORIFICES.
2. NO BALLAST MOUNTED ON REAR ENDS.
3. ANY RATIO REAR GEAR. MUST BE OEM, NO LIGHT WEIGHT, OFFSET, SCALLOPED OR POLISHED PARTS.
4. TRAILING ARM BRACKETS ON THE REAR END MUST BE SYMMETRICAL FROM LEFT TO RIGHT.
5. ANY STOCK TYPE REAR END HOUSING PERMITTED (GM 10-12 BOLTS, OR FORD 9 INCH) IN ANY MAKE OF CAR. FLOATER AXLES PERMITTED. MUST USE STEEL STOCK LUG PATTERN HUBS (5 X 5 OR 5 X 4 3/4 OK). NO WIDE 5 HUBS OR WHEELS. REAR TRAILING ARM MOUNTS AT FRAME OR LEAF SPRING MOUNTS MUST REMAIN UNALTERED AND IN STOCK LOCATION WITH ONE MOUNTING HOLE ONLY. LEAF SPRING CARS MAY HAVE ADJUSTABLE SHACKLES ON REAR. NO SLIDERS. NO CHRYSLER LEAF SPRINGS
6. REAR TRAILING ARMS MUST BE STOCK (MAY BE BOXED FOR STRENGTH AND SAFETY. 2 3/4" MAX FROM BOTTOM OF HOUSING TO CENTER OF CONTROL ARM BOLT. UPPER CONTROL MOUNTS MAXIMUM OF 3" FROM CENTER OF TOP OF REAR END HOUSING TO CENTER OF MOUNTING BOLTS OR ON FORD 9" HOUSING, 7 3/4" FROM SEAM CENTER OF AXLE TUBE TO CENTER OF MOUNTING BOLTS.
7. 5 INCH COIL SPRINGS MANDATORY, ANY LEAF SPRING ALLOWED.
8. SPRINGS MUST BE CENTERED ON THE REAR END.
9. BOTTOM SHOCK LOCATION MUST BE WITHIN 2" OF THE CENTERLINE OF THE TRAILING ARM BOLT.
10. MAY RUN AFTERMARKET AXLES. NO BALL SPLINE AXLES. NO GUN DRILLED AXLES.
11. ALL COMPONENTS MUST BE STEEL OR CAST. 12. NO LIGHTENING OF ANY PARTS.

**BRAKES:**

1. STOCK TYPE (4-WHEEL DISC APPROVED). BRAKES DO NOT HAVE TO MATCH MAKE OR MODEL OF CAR. MINIMUM OF .810" ROTORS.
  - a. ROTORS IN QUESTION WILL BE CHECKED.
  - b. NO GUNDRILLED OR SCALLOPED ROTORS.
2. RACING PEDALS, ADJUSTERS & DUAL MASTER CYLINDERS ARE ALLOWED. MUST HAVE WORKING 4 WHEEL BRAKE AFTER RACE.
3. STOCK OEM OR OEM REPLACEMENT BRAKE CALIPERS, STEEL ONLY.

**TIRES & WHEELS:**

1. 15X8IN STEEL WHEELS ONLY, ANY OFFSETS PERMITTED, SPACERS PERMITTED.
1. TOWEL CITY RECAP (YELLOW SPLIT DOT) ONLY. MUST PUNCH A MINIMUM OF 55 AT ALL TIMES.

**ENGINE:**

1. MUST BE COMPLETELY STOCK CHEVROLET LM7 5.3L VORTEC 5300 ONLY (1999 TO 2007 GM TRUCK MOTOR)
  - a. ALL ENGINE COMPONENTS MUST BE OEM OR OEM REPLACEMENT
  - b. #1 SPARK PLUG MUST BE IN FRONT OF BALL JOINT.
2. FUEL INJECTION MUST BE STOCK FOR 5.3 ONLY ( FUEL RAIL, THROTTLE BODY, INTAKE, INJECTORS, ETC....)
  - a. MUST USE STOCK COMPUTER (TUNING OK)
  - b. NO AFTERMARKET, TERMINATOR-X, FITECH, ETC.....
3. MAY USE 4777 HOLLEY CARBURETOR
  - a. MUST USE HOLLEY 510-300-130 INTAKE
  - b. MUST USE 121-6014 IGNITION BOX AND HARNESS
4. MAY CHANGE OIL PAN TO HOLLEY 302-1 OR LIKE STYLE OIL PAN

**EXHAUST SYSTEM:**

1. MILD STEEL HEADERS ONLY. NO MERGE COLLECTOR HEADERS. STANDARD 4 INTO 1 ONLY.
2. X PIPES, TRY Y'S, OR OTHER MERGE STYLE HEADERS NOT PERMITTED.
3. NO TURNDOWNS, NO MUFFLERS, NO BAFFLES BUT 21 INCH EXTENSION ALLOWED. MUST BE SAME DIAMETER AS COLLECTOR, STRAIGHT AND NO RESTRICTIONS
4. 3 OR 3 ½ INCH COLLECTOR ONLY

**TRANSMISSION:**

1. GM OEM SAGINAW OR MUNCIE MANUAL TRANSMISSION 3 SPEED ONLY.
  - a. ALL WORKING GEARS FORWARD & REVERSE.
  - b. ALL FORWARD GEARS MUST BE HELICAL CUT TEETH.
  - c. FLYWHEEL MUST BE PART NUMBER NFW1050
  - d. CLUTCH & PRESSURE PLATE MUST BE PART NUMBER K552-03
2. MAY RUN 350 OR 400 TURBO AUTOMATIC WITH OEM WORKING TORQUE CONVERTER.
  - a. FLEX PLATE MUST BE STOCK LS WITH HUB ADAPTER
3. MAY RUN 4L60 OR 4L80 AUTOMATIC WITH OEM WORKING TORQUE CONVERTER.
4. NO POWER GLIDES.
5. TRANSMISSION INTERNAL PARTS CAN NOT BE POLISHED, COATED, OR LIGHTENED.
6. GEARS MUST BE STOCK FOR TRANSMISSION .

**DRIVELINE:**

1. ALL CARS MUST HAVE SAFETY LOOP FOR DRIVESHAFT.
2. DRIVESHAFT MUST BE STEEL AND AT LEAST 2" IN DIAMETER

**PROTEST AND CLAIM:**

**- 3 ITEMS FOR \$300. \$100 TO ACCEPT. TRACK RETAINS \$100**

**- ENGINE**

- a. **CLAIM ON LONG BLOCK ONLY \$1,300. TRACK RETAINS \$100**
- b. **PROTEST BOTTOM END \$600. ACCEPTANCE \$200. TRACK RETAINS \$200**

**-ECU CLAIM \$150**

**-SHOCK CLAIM \$50 PER CORNER. BUY BACK \$40**

-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 .