



## 2026 Lil Rascals Dwarfs

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT:  
CHIEF TECHNICAL INSPECTOR JAY AVERY @ 603-970-1092 OR  
[riversidegroveton@gmail.com](mailto:riversidegroveton@gmail.com)

Every attempt will be made to allow everyone to participate. In the interest of competition Riverside Speedway Tech reserves the right to administer some sort of penalty, which includes but not limited to weight.

**Rules may be adjusted at any time in the interest of competition. All race car components may be subject to teardown/dismantle inspection at any time. Any part determined to be illegal will be confiscated for the 2026 season and will become property of Riverside Speedway.**

**IF IT DOES NOT SAY YOU CAN, DO NOT DO IT!!**

**MANDATORY: ALL CAR TRAILERS {ENCLOSED AND OPEN} MUST HAVE A FIRE EXTINGUISHER AT THE REAR OF THE TRAILER. CAN BE, BUT DOESN'T HAVE TO BE MOUNTED. FIRE EXTINGUISHER HAS TO BE ACCESSIBLE BY ANYBODY AT REAR OF TRAILER WHILE CAR IS UNLOADED.**

### **DRIVER ELIGIBILITY:**

**MUST BE 14 YEARS OF AGE OR OLDER OR AT TRACK'S DISCRETION.  
CAR MUST HAVE A PAID RIVERSIDE SPEEDWAY REGISTRATION.**

### **DIVISION RULES**

**AFTER THREE WINS BY THE SAME CAR AND/OR DRIVER, ITS AT TRACK DISCRETION TO WHETHER OR NOT, AND TO WHAT EXTENT A WEIGHT PENALTY OR OTHER PENALTY MAY BE APPLIED.**

## **VEHICLE RULES**

### **A. BODY**

- 1. 1928-1948 AMERICAN MADE PRODUCTION VEHICLES ONLY. 5/8 SCALE, TWO DOOR SEDANS, COUPES, OR PICKUP TRUCKS. THESE ARE TO BE KNOWN AS CLASSIC MODIFIED OR DWARF BODY STYLES. NO DOWN FORCE NOSES ALLOWED.**
- 2. MODIFIED APPEARING BODY STYLES SUCH AS IMCA OR DIRT MODIFIEDS ARE NOT ALLOWED.**
- 3. BODY MUST BE 5/8 SCALE, STOCK APPEARING. MAXIMUM OVERALL HEIGHT 50" TOP TO GROUND.**
- 4. MUST HAVE GRILL SHELL OR SIMULATED OPEN RADIATOR MATCHING ORIGINAL BODY STYLE, ANY MATERIAL, GRILL SHELL OR SIMULATED OPEN RADIATOR MUST NOT HAVE MORE THAN A 20-DEGREE PITCH WHEN MEASURED AT ANYTIME ON A LEVEL SURFACE WITH NI DRIVER IN THE CAR.**
- 5. DOORS, WINDOWS, AND COWLINGS MUST RETAIN STOCK APPEARANCE. HOOD LOUVERS ALLOWED FOR COOLING BUT MUST MAINTAIN STOCK CONTOURS.**
- 6. ENGINE COMPARTMENT MUST CONFORM TO SCALE AND MATCH CONTOUR OF BODY. HOLE MAY BE CUT FOR BREATHER CLEARANCE ONLY. RAM AIR INDUCTION SYSTEM PROHIBITED.**
- 7. MUST HAVE CLOSED TRUNK LID OR FULLY ENCLOSED TRUNK ACCESS PANEL CONFORMING TO ORIGINAL BODYLINES. LOUVERS ALLOWED NO HOLES.**
- 8. NO FENDERS.**
- 9. NO WINGS OR SPOILERS.**
- 10. BODY WILL BE METAL CONSTRUCTION, 26-GAUGE STEEL OR .040" ALUMINUM MINIMUM. FIBERGLASS OR PLASTIC SHELLS ALLOWED. ALL EXPOSED EDGES MUST BE FOLDED OR TRIMMED OVER. LEGENDS CARS MAY BE ALLOWED UNDER LOCAL RULES.**
- 11. NO OPEN TOP CARS (ROADSTERS, CONVERTIBLES)**
- 12. MAXIMUM BODY WIDTH 40"**
- 13. BODY CONTOUR MUST BE FORMED BY FRAME AND ROLL CAGE. ROOF HATCH ENTRANCE ARE ALLOWED AND STRONGLY RECOMMENDED.**
- 14. DRIVER'S DOOR MUST BE OPERATIONAL AND EQUIPPED WITH SECURE LATCH.**
- 15. FASTENERS ON HOOD, TRUNK, OR PANELS MUST BE POSITIVE, LOCKING TYPE.**
- 16. CAR NUMBER MUST BE MINIMUM 12" IN HEIGHT AND 2" STROKE. MUST BE DISPLAYED ON EACH DOOR AND ROOF. A 4" NUMBER ON THE FRONT AND REAR OF THE CAR.**

17. WINDSHIELD MUST BE LEXAN, WIRE MESH, OR PROTECTIVE BARS. NO GLASS. ALL OTHER COCKPIT AREAS MUST REMAIN OPEN. DEFLECTORS MAY BE USED IN FRONT OF THE DRIVER AND MAY BE NO WIDER THAN ROLL BAR AREA.

18. IT IS RECOMMENDED THAT IF USING RIVETS TO ATTACH BODY PANELS THEY SHOULD BE RIVETED TO TABS THAT ARE WELDED ONTO CAGE INSTEAD OF DRILLING MULTIPLE HOLES IN ROLL CAGE.

## **B. FRAME & ROLL CAGE**

1. MAXIMUM FRAME WIDTH 34", MINIMUM 30".

2. MAIN FRAME MEMBERS WILL BE A MINIMUM OF 1" X 2" X .120" WALL RECTANGULAR STEEL TUBING OR DOM STEEL MINIMUM 1.5" x 0.120" ROUND TUBING. MAINFRAME RAIL CONSIST OF THE LENGTH BETWEEN THE FRONT LOWER A-ARM CROSS MEMBER AND THE REAR MAIN ROLL BAR UPRIGHT. NO ALUMINUM ALLOWED IN CAGE OR FRAME.

3. MAIN FRAMES WILL HAVE A MINIMUM OF THREE (3) CROSS MEMBERS BETWEEN FIREWALL AND BACK OF SEAT FABRICATED OUT OF THE SAME MATERIAL AS FRAME RAILS. ALTERNATE MATERIAL MAY BE STEEL ANGLE WITH MINIMUM .125" X 1.5" X 2". CROSS 3 BRACING IN FLOOR UNDER DRIVER STRONGLY RECOMMENDED. REAR FRAME RAILS AT REAR ROLL BAR MUST BE 34" MAXIMUM AND 30" MINIMUM OUTSIDE DIMENSION.

4. ROLL CAGE MUST BE DOM STEEL MINIMUM 1.25" X .083" (.095" RECOMMENDED) IN ALL CARS. A CROSS BRACE OR DIAGONAL BRACE IN THE HOOP OVER THE DRIVER'S HEAD IS MANDATORY.

5. ALL CARS MUST HAVE CAGE BARS INSTALLED ACROSS DOOR OPENINGS ON BOTH SIDES. BARS SHOULD BE WELDED IN PLACE AS PART OF THE ROLL CAGE. MINIMUM SIZE 1" X .065" (1.25" X .095" RECOMMENDED) CARS WITH BARS MOUNTED ON DOORS SHOULD HAVE A FULL DOOR FRAME AND A MINIMUM OF TWO (2) HORIZONTAL CROSSBARS. MINIMUM 1" X .083". CARS WITH BARS MOUNTED ON DOORS MUST HAVE 1/4" X 2" STEEL STOPS WELDED IN ON EACH SIDE OF THE OPENING, TOTALING A MINIMUM OF 4" ON EACH END OF THE DOOR. STEEL PLATE ON DRIVER'S DOOR BARS RECOMMENDED.

6. MANDATORY A STEEL BAR WITH A MINIMUM SIZE OF 1" X .065" FROM DOORPOST TO DOORPOST UNDER THE DASH.

7. NO DOWN TUBE FRAME CARS ALLOWED. ANY BARS FROM COWL AREA TO SNOOT MUST REMAIN BELOW THE UPPER LINE OF HOOD.

8. CLASSIC PICKUPS MAY HAVE TWO (2) BARS GOING FROM UPPER REAR ROLL CAGE DOWN TO REAR CLIP.

9. DRIVESHAFT TUNNEL WILL HAVE TWO 360-DEGREE LOOPS BETWEEN FIREWALL AND SEAT BACK, AND MUST BE FABRICATED OF MINIMUM .1875" X 1.5" STEEL BARS 1"X .095" STEEL TUBE HIGHLY RECOMMENDED.

10. MAXIMUM TOTAL LENGTH 124" BUMPER TO BUMPER.

11. **FIREWALL & TUNNELL** MUST BE 22 GAUGE MAGNETIC METAL AND MUST COMPLETELY SEPARATE THE ENGINE COMPARTMENT AND DRIVESHAFT TUNNEL FROM THE COCKPIT. ENGINE PROTRUDING INTO THE COCKPIT MUST BE ENCLOSED.
12. SEAT MUST BE HIGH-BACKED ALUMINUM, RACING TYPE. ALL CARS WILL HAVE A PERMANENT BAR LOCATED BEHIND THE TOP OF THE SEAT AT SHOULDER LEVEL. BOTTOM OF THE SEAT WILL NOT BE MORE THAN 65" BACK MEASURED FROM THE UPPER BALL JOINT. SEAT MAY BE TILTED BACK FOR ADDED DRIVER HEAD CLEARANCE; HOWEVER, NO PORTION OF THE SEAT MAY BE BACK MORE THAN 74" AS MEASURED ABOVE.
13. BUMPERS
  - a. FRONT MAXIMUM WIDTH 46". BUMPER HEIGHT 6" TO 8" WITH 2 BAR LOOP. GROUND TO TOP OF BUMPER: 12" MINIMUM, 16" MAXIMUM. BUMPER MAY NOT EXTEND MORE THAN 12" FORWARD OF FRONT TIRES.
  - b. REAR MAXIMUM WIDTH 60" WITH 3 VERTICAL BARS. BUMPER HEIGHT 6" TO 8" WITH 2 BAR CONFIGURATIONS. GROUND TO TOP OF BUMPER: 12" MINIMUM, 24" MAXIMUM (PUSH BAR HOOP) NO WIDER THAN THE BODY. MAY NOT EXTEND MORE THAN 8" BEHIND REAR BODY PANELS. AT THE END OF REAR BUMPERS, ADD BUMPERETTES' TO EACH SIDE FOR SAFETY.
  - c. BUMPERS MUST BE HOLLOW WITH MAX WALL THICKNESS OF .125
  - d. ALL BUMPERS ARE NOT TO BE IN CONTACT WITH THE TRACK SURFACE.
14. NERF BAR-
  - a. FULL LENGTH NERF BARS BETWEEN FRONT AND REAR TIRES ARE MANDATORY MAXIMUM OUTSIDE DIAMETER OF 1.25" AND MAXIMUM .125" THICKNESS, MUST BE HOLLOW.
  - b. NERF BARS WILL EXTEND TO TREAD WIDTH AND MAY EXTEND OUT 1" IN REAR ONLY.
  - c. **MUST BE ON THE CAR IN ORDER TO BE ON THE TRACK AT ANY POINT OF THE RACE.**

## **C. SUSPENSION**

1. NO TORSION BAR SUSPENSION SYSTEM OF ANY TYPE IS ALLOWED.
2. NO LEAF SPRINGS.
3. COIL OVER SHOCKS ARE THE ONLY ALLOWABLE MEANS OF SUPPORTING THE CHASSIS. ONE SHOCK AND SPRING PER WHEEL ONLY. SHOCK AND SPRING MAY BE ROCKER ARM ACTUATED WITH ONE PUSH ROD PER SHOCK AND SPRING. SHOCK AND SPRING MUST REMAIN AS ONE UNIT. SPRING MUST BE MOUNTED OVER THE BODY OF THE SHOCK.
4. STRAIGHT FRONT AXLES ARE PROHIBITED.
5. NO SHOCK WITH EXTERIOR DAMPENING ADJUSTERS ALLOWED.
6. NO DRIVER SHALL HAVE THE ABILITY TO ADJUST THE SUSPENSION FROM INSIDE THE CAR.

7. FRONT SUSPENSION MUST NOT EXTEND REARWARD PAST THE MOST FORWARD PANEL OF THE FIREWALL.
8. REAR TRAILING ARM/RADIUS ROD SPECIFICATIONS.
  - a. ARMS MAY HAVE A MAXIMUM LENGTH OF 30"
  - b. TORQUE ABSORBING DEVICES ARE PERMITTED
  - c. MAXIMUM 3 RADIUS RODS OR 3 LINKS SUSPENSION
9. NO BIRDCAGE TYPE REAR LINKAGE.
10. ANTI-ROLL (SWAY) BARS ARE PERMITTED.

#### **D. STEERING**

1. ALL STEERING COMPONENTS MUST HAVE SAFETY FASTENERS SUCH AS COTTER PINS OR SELF-LOCKING NUTS.
2. MANUFACTURED QUICK RELEASE STEERING WHEEL HUBS MANDATORY.
3. RACK AND PINION IS MANDATORY

#### **E. BRAKES**

1. ALL FOUR WHEELS MUST HAVE WORKING BRAKE OF SOME SORT .
2. ROTORS AND CALIPERS
  - a. STEEL ROTORS MANDATORY .250" MINIMUM THICKNESS.
  - b. STEEL OEM CALIPERS OR ALUMINUM CALIPERS.
3. CUTTING AND SCALLOPING OF ROTORS WILL BE ALLOWED WITH NO ROTOR SURFACE BEING LESS THAN 3/4" IN WIDTH.
  - a. DRILLING OF ROTORS IS PERMITTED.
  - b. ADJUSTABLE BRAKE BIAS AND WHEEL SHUT OFF ALLOWED.
  - c. COMPETITION TYPE MASTER CYLINDERS ALLOWED.

#### **F. WHEELS & TIRES**

1. STEEL WHEELS ONLY, MINIMUM WALL THICKNESS .090", 13" ONLY. WHEEL WIDTH MAXIMUM 8".
2. OFFSET WHEELS ARE ALLOWED.
3. AMERICAN RACER MARKED DWARF TIRES ONLY.
4. TIRES WILL BE DUROMETERED.

#### **G. ENGINES**

1. ANY 4 CYLINDER 600CC MOTORCYCLE ENGINE MANUFACTURED BY SUZUKI OR HONDA. 2010 AND OLDER AND HONDA 2012 AND OLDER. 2006-2010 SUZUKI MUST WEIGH 1270 WITH DRIVER AND GEAR.
2. ALL CARS WILL HAVE AN APPROVED SERVICE AND REPAIR MANUAL FOR YEAR, MAKE, AND MODEL ENGINE BEING USED, THIS WILL BE A PART OF TECH.

3. ENGINE MUST NOT BE ANYTHING NEWER THAN 2010 FOR SUZUKI AND 2012 FOR HONDA.
4. NO ENGINE CAN BE MODIFIED TO BE LESS THAN THE ORIGINAL STOCK CONFIGURATION O.E.M SPECIFICATIONS.
5. NO INCREASING OR DECREASING OF MOTOR STOCK STROKE IN ANY WAY.
6. MUST HAVE WORKING TRANSMISSIONS, CLUTCH, AND STARTER WITH ALL PARTS IN PLACE. COMPLETE CLUTCH ASSEMBLY MUST REMAIN IN ENGINE. EXTERNAL REVERSE BOXES ALLOWED. NO AIR CONTROLLED SHIFTING DEVICES. ALL GEARS IN TRANSMISSION MUST WORK.
7. CHARGING SYSTEM OPTIONAL. BATTERY POWERED IGNITION SYSTEM ONLY. ALTERNATOR COVER ALLOWED.
8. NO AUXILIARY STARTERS.
9. ENGINES MUST BE FRONT MOUNTED IN ENGINE COMPARTMENT.
10. ENGINE SETBACK: THE "SQUARE OF THE ENGINE" (REAR FINS OF THE JUGS) MAY NOT EXTEND REARWARD MORE THAN 17" FROM THE CENTER OF FRONT SPINDLE. NO PART OF THE ENGINE OR TRANSMISSION MAY EXTEND REARWARD MORE THAN 21" FROM CENTER OF FRONT SPINDLE.
11. NO AFTERMARKET FUEL INJECTION, TURBO, NITRO OR NITROUS OXIDE.
12. O.E.M FUEL INJECTION MUST REMAIN STOCK OTHER THAN SECONDARY THROTTLE BLADES MAY BE REMOVED.
13. **AFTER MARKET AIR BOXES ARE ALLOWED.**
14. ENGINE MUST BE COOLED BY ORIGINAL INTENT. MAY USE EXTRA FAN OR OIL COOLER.
15. CARBURETOR/FUEL INJECTION BOOT MUST FASTEN DIRECTLY TO HEAD IN THE STOCK INTAKE PORT LOCATION.
16. NO PORTING, GRINDING, POLISHING OR CHANGING STOCK CONFIGURATION OF INTAKE OR EXHAUST PORTS ALLOWED. CASTING PART NUMBERS MUST BE VISIBLE UPON INSPECTION.
17. HEADER MUST ATTACH DIRECTLY TO HEAD IN STOCK EXHAUST PORT LOCATION.
18. ENGINE EXHAUST MUST INCLUDE MUFFLER AND EXIT REARWARD.
19. OILING SYSTEM MAY NOT INCLUDE A DRY SUMP SYSTEM. OIL PAN MODIFICATIONS FOR CLEARANCE ALLOWED.
20. ALUMINUM OIL PANS ARE ACCEPTABLE.
21. CYLINDER CRANKING COMPRESSION MAXIMUM 220 P.S.I PER CYLINDER AVERAGE OF 4 CYLINDERS, NO VARIANCE. COMPRESSION PRESSURE LIMITED TO FACTORY STOCK COMPRESSION PRESSURES.
22. CARBURETORS OR FUEL INJECTIONS MAY BE REMOVED OR HELD IN THE FULL OPEN POSITION TO ALLOW FOR: FULL AIR FLOW. ALL FOUR (4) SPARK PLUGS MUST BE REMOVED BEFORE CHECKING COMPRESSION. A BOOSTER PACK WILL BE ALLOWED TO ASSIST WITH ENGINE CRANKING IF THE ENGINE APPEARS TO CRANK AT A SLOW RATE.

**23. UNALTERED FACTORY E.C.M MUST REMAIN. NO FUEL MONITORING DEVICES, MODULES, ETC.**

**24. E.C.M IS ALLOWED TO BE FLASHED.**

## **H. BATTERY**

**1. BATTERY HAS TO BE LOCATED OUTSIDE OF DRIVER'S COMPARTMENT, NOT SECURED WITH RUBBER STRAP.**

**2. A DIRECT MANUAL CUTOFF SWITCH WIRED TO GROUND CIRCUIT WILL BE INSTALLED ON THE FRONT DASH WITHIN 6" OF THE CORNER FORMED BY THE FRONT DOOR AND THE DASHBOARD. THE EMERGENCY ELECTRICAL CUT OFF SWITCH WILL BE CLEARLY MARKED.**

## **I. FUEL SYSTEM**

**1. ELECTRIC FUEL PUMP ALLOWED.**

**2. FUEL CELL MANDATORY, MAXIMUM 5 GALLONS, LOCATED IN TRUNK.**

**3. PETROLEUM BASED PUMP AUTOMOTIVE GASOLINE IS THE ONLY FUEL ALLOWED (MAX 95 OCTANE). NO ALCOHOL, NO METHANOL, NO NITROUS OXIDE OR ANY OTHER FUEL ADDITIVE MAY BE USED.**

**4. REINFORCED OR STEEL BRAIDED LINE MUST BE USED IN ALL HIGH-PRESSURE AREA(S).**

**5. MAXIMUM FUEL PRESSURE OF 50 P.S.I.**

**6. ANY VEHICLE RUNNING AN ELECTRIC FUEL PUMP, THE ELECTRIC FUEL PUMP MUST SHUT OFF WHEN THE ENGINE SHUTS OFF - NOT BY A SEPERATE SWITCH!**

## **J. DRIVE TRAIN**

**1. MUST USE STEEL DRIVE SHAFT FROM TRANSMISSION TO AUTOMOTIVE REAR END. MINIMUM 2.50" X .083" OR 2"X .120".**

**2. QUICK CHANGE REAR ENDS ARE ALLOWED. MUST BE STEEL TUBES WITH INDIVIDUAL AXLES AND BEARING TYPE HUBS. GEARS ARE NOT ALLOWED TO BE CHANGED ONCE YOUR MAIN EVENT STARTS.**

**3. REAR MUST BE LOCKED OR HAVE A SOLID SPOOL.**

**4. MAGNETIC STEEL AXLES.**

## **K. SET-UP SPECIFICATIONS**

**1. MAXIMUM OUTSIDE TIRE WIDTH 60 1/2" MEASURED FROM OUTSIDE OF RIM ON FIRST INNER BEAD.**

**2. 73" WHEELBASE PLUS OR MINUS 1".**

**3. FRAME RIDE HEIGHT MUST NOT LET CAR BOTTOM OUT ON TRACK.**

**4. ALL CARS WILL WEIGH A MINIMUM OF 1255 LBS. WITH DRIVER AND SAFETY GEAR. EMPTY CAR WEIGHT MINIMUM 950LBS (NO BALLAST, NO FUEL, NO DRIVER, NO SAFETY GEAR). NO EXCEPTION FOR GRANDFATHERED CARS. 2006-2010 SUZUKI MUST WEIGH 1270 WITH DRIVER AND GEAR.**

- a. LEFT SIDE WEIGHT RULE 53% WITH DRIVER AND SAFETY GEAR IN THE CAR.**
- 5. NO WEIGHT OUTSIDE OF CAR BODY, I.E. ON NERF BARS. (ALL WEIGHT MUST BE INSIDE FRAME RAILS).**
- 6. HUBS FRONT AND REAR, NO MORE THAN 1/2 "DIFFERENCE FROM FRAME RAIL RIGHT TO LEFT. (CAR HAS TO BE CENTERED IN HUBS)**
- 7. ALL CARS WITH 2006-2007 SUZUKI ENGINES HAVE TO WEIGH 1270 WITH DRIVER AND SAFETY GEAR AFTER THE RACE.**
- 8. ANY TECH OFFICIAL HAS THE RIGHT TO CHANGE WEIGHT AND OR PERCENTAGES IF NECESSARY.**

#### **L. FIRE EXTINGUISHER MANDATORY**

- 1. MINIMUM 3 POUND FIRE EXTINGUISHER MOUNTED WITH QUICK RELEASE METAL BRACKET IN REACH OF DRIVER WHILE BUCKLED IN SEAT. ABSOLUTELY NO PLASTIC BRACKETS.**

#### **M. TRANSPONDER MOUNTING LOCATION**

- 1. THE TRANSPONDER MUST BE MOUNTED 6" FORWARD FROM THE CENTER LINE OF THE REAR END**
- 2. TRANSPONDER MUST HAVE DIRECT LINE OF SIGHT TO GROUND**

**THANK YOU FOR YOUR SUPPORT. ALL RULES WERE MADE FOR YOUR SAFETY FIRST AND A FUN, FAIR, RACING ENVIRONMENT FOR ALL.**

#### **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 accepted and complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND REGULATIONS. They are intended solely 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. Any interpretation or deviation of these rules is left to the discretion of tech and the decision is final. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH DEVIATION OF SPECIFICATIONS.