

# **LATE MODELS 2024 RULES**

**ABC APPROVED 5 STAR OR AR TEMPLATE BODIES;**

**CHEVROLET IMPALA SS, CHEVROLET MONTE CARLO, DODGE CHARGER, DODGE INTREPID, FORD FUSION, FORD TAURUS, TOYOTA CAMRY, PONTIAC GRAND PRIX.**

**(BODIES MUST CONFORM TO ALL GUIDELINES AND MEASUREMENTS FOR ABC APPROVED TEMPLATE BODIES)**

**AR MUSCLE CAR BODIES ONLY: CAMARO, MUSTANG, CHALLENGER**

**NEW GEN-6 BODIES ARE NOW LEGAL. EITHER COMPLETE BODY FROM 5-STAR OR RE-SKIN KIT FROM AR BODIES.**

**HOME BUILT ALUMINUM BODIES, ANY MENTIONED, ARE PERMITTED USING APPROVED ABC OR AR MUSCLE CAR FULL UNALTERED TOP WITH FRONT AND REAR UNALTERED BUMPER COVERS. GRILL OPENING MUST CONFORM TO FACTORY SIZE.**

**(BODIES MUST CONFORM TO ALL GUIDELINES AND MEASUREMENTS FOR APPROVED TEMPLATE OR MUSCLE CAR BODIES. NO FLAT SIDED OR WEDGE BODIES.)**

**FOR ALL CARS- GRILL OPENINGS CAN ONLY BE TAPED UP OR SHUT FOR QUALIFYING. NO TAPE IS PERMITTED TO COVER OR DOWN SIZE THE FACTORY GRILL OPENING DURING DASH, HEATS OR FEATURE RACES.**

**ALL CARS WILL HAVE A BASE WEIGHT OF 2750 LBS. LEFT SIDE WEIGHT MAX OF 58%**

**ALL CARS MUST UTILIZE A WORKING LOCK REAR END (IE. A SPOOL OR SIMILAR). NO PART OF THE SPOOL CAN MOVE OR TWIST. ADD 50 LBS. FOR OPEN REAR END.**

**TRACK WIDTH 79 1/2" MEASURED OUTSIDE OF TIRE TO OUTSIDE OF TIRE ON THE BULGE OF TIRE SITTING AT STATIC HEIGHT AT SPINDLE HEIGHT.**

**(S/B SPECIFIC SPRINGS/SHOCKS. NO BUMP STOPS. CONVENTIONAL SET UP 3" RIDE HEIGHT DEDUCT 75 LBS.)**

**MINIMUM WEIGHT OPEN ENGINE CAR LOCKED REAREND 2675 LBS. ADD 50 LBS FOR OPEN REAREND.**

**CRATE CARS (ONLY) SEALED CRATE ENGINE WITH CORRECT 6300 RPM CHIP FORD. 6400 RPM CHIP CHEVROLET (BUSS BOX TESTED) DEDUCT 50 LBS. 2700 LB**

**CRATE CARS CAN ALSO DEDUCT AN ADDITIONAL 75 LBS. FOR S/B SPECIFIC SHOCKS/SPRINGS WITHOUT BUMP STOPS, CONVENTIONAL SET UP 3" RIDE HEIGHT.**

**MINIMUM WEIGHT 2625 LBS. ADD 50 LBS FOR OPEN REAR END (2675 LBS.)**

**ALL CARS MUST MEET MINIMUM WEIGHTS BEFORE QUALIFYING AND AFTER FEATURE. NO DEDUCTIONS GIVEN FOR FUEL BURN OFF UNLESS FEATURE IS MORE THAN 40 LAPS THEN DEDUCT 1 LB. PER LAP OVER 40.**

**(YOU CAN WEIGH MORE BUT NO LESS THAN LISTED MINIMUMS.)**

**A. WIDTH OF BODY AT FRONT AND REAR TIRES MAXIMUM OF 79 1/2 INCHES.**

**B. WINDSHIELDS MUST BE A MINIMUM THICKNESS OF 1/8 INCH POLY CARBONATE. SIDE WINDOWS AND BACK GLASS MUST BE A MINIMUM .090 THICKNESS OF POLY CARBONATE AND BE SEE THROUGH. THE MAXIMUM DIMENSION FOR THE VENT WINDOW ALONG THE TOP OF DOOR WILL BE 12 INCHES AND MUST BE 90 DEGREES FROM THE TOP OF THE DOOR UP TO THE A-POST.**

**C. SPOILER HEIGHT IS MAXIMUM 6 1/2 INCHES. SPOILER WIDTH IS MAXIMUM 60 INCHES AND MUST BE SEE THROUGH.**

**D. BODY MUST NOT HANG BELOW THE CHASSIS.**

**E. EXHAUST SYSTEMS MUST BE SAFE AND MEET APPROVAL. IF EXHAUST EXITS THROUGH THE DOOR, INSULATION MUST INCLUDE AN EXHAUST FLANGE THAT IS MOUNTED FLUSH TO THE DOOR. PIPE MUST NOT PROTRUDE THROUGH DOOR.**

**F. RADIATORS MUST BE MOUNTED IN FRONT OF ENGINE AND HAVE AN OVERFLOW TANK OF LESS THAN 2 QUARTS CAPACITY OR HAVE THE OVERFLOW HOSE DIRECTED UP INTO THE WINDSHIELD. RADIATOR MOUNTING MUST NOT ALTER SHEET METAL. NO GLYCOL BASED ANTIFREEZE COOLANT PERMITTED.**

**G. THE AIR BOX BETWEEN THE NOSE AND RADIATOR MAY HAVE NO PIECES WIDER THAN THE RADIATOR. NO TYPES OF UNDER-BODY AIR DEFLECTORS ARE PERMITTED. ALL AIR FOR BLOWERS OR COOLERS IN THE ENGINE COMPARTMENT MUST BE PULLED FROM THE NOSE OR RADIATOR AIR BOX. AIR MAY NOT BE BLOWN OR FORCED ON THE TIRE OR BEAD. AIR MAY ONLY BE DIRECTED TO THE BRAKE ROTORS.**

**H. ALL CARS MUST HAVE COMPLETE FIREWALL FRONT AND REAR. FRONT FIREWALL EXTENDING FROM THE LEFT SIDE FRAME RAIL TO THE MIDDLE OF THE INTERIOR FLOORBOARD IS REQUIRED. IT MUST EXTEND UNDER THE DRIVER INCLUDING THE FOOT PEDAL AREA AND THE REAR FIREWALL**

**DIRECTLY BEHIND THE DRIVER AND MUST BE AT LEAST 20 GAUGE STEEL. THE REMAINING INTERIOR MAY BE ALUMINUM (.025" MIN.) INTERIOR SHEET METAL BESIDE DRIVER MUST BE RUN FROM NO HIGHER THAN THE SEAT CUSHION AT AN ANGLE TO THE BOTTOM OF THE WINDOW OPENING. RACING SEAT MANDATORY, BOLTED/WELDED TO CHASSIS.**

**I. NO COCKPIT ADJUSTMENTS OTHER THAN BRAKE BIAS. MSD BOXES WILL BE MOUNTED TO THE RIGHT OF THE DRIVER AND OUT OF HIS/HER REACH. NO TRACTION CONTROL DEVICES, ELECTRONIC OR OTHERWISE PERMITTED. USE OF TRACTION CONTROL DEVICES WILL BE CAUSE FOR IMMEDIATE DISQUALIFICATION, SUSPENSION FROM 3 FUTURE RACING EVENTS (RAIN OUTS DO NOT COUNT) AND LOSS OF ALL PREVIOUS POINTS. RADIOS PERMITTED FOR THE OHIO 300 SERIES RACES ONLY. MIRRORS NOT PERMITTED. RACECEIVER (ONE CHANNEL ONLY) IS MANDATORY. MUST USE ANYTIME ON THE TRACK. NO OTHER RADIOS OR CELL PHONES/WATCHES OR ELECTRONIC DEVICES PERMITTED IN CAR OR ON PERSON.**

**J. PAINTING MUST BE PRESENTABLE. NUMBERS MUST BE AT LEAST 18" TALL ON BOTH DOORS AND 4" IN THE UPPER RIGHT HAND CORNER OF THE WINDSHIELD. ANY TRACK SPONSOR OR CLASS SPONSOR DECALS MUST BE DISPLAYED EITHER ON TOP OF WINDSHIELD OR SECONDARY SPOT, MID HEIGHT ON RIGHT (PASSENGER) FRONT FENDER AND DOOR AREA. FAILURE TO HAVE DECALS IN PLACE WILL RESULT IN A 40% REDUCTION IN PAY FOR ANY FINISHING SPOT. IF ANY CONTINGENCY MONEY IS BEING PAID, DECAL MUST BE ON CAR PROMINENTLY DISPLAYED TO RECEIVE ANY FUNDS. SO PLEASE ASK QUESTIONS FIRST.**

**CHASSIS**

**TUBULAR MILD STEEL CHROMOLY STEEL FABRICATED FRAMES ARE PERMITTED. MAIN FRAME RAILS MUST BE CONSTRUCTED OF AT LEAST .095" THICK MILD STEEL CHROMOLY MEASURING AT LEAST 10" IN PERIMETER. STOCK FRONT CLIP CARS PERMITTED. NO TIE DOWNS/SUSPENSION/FRAME LIMITING DEVICES OF ANY KIND PERMITTED. TRACK OFFICIALS RULING IS FINAL.**

## **ROLL CAGE**

**FULL ROLL CAGE IS REQUIRED WITH 4 UPRIGHTS AT LEAST 1.625" O.D. WITH .095" THICKNESS WELDED TO MAIN FRAME RAILS. TOP OF CAGE SHOULD FORM A BOX AND FOLLOW THE CONTOUR OF THE WINDSHIELD IN FRONT AND REAR. THREE DOOR BARS ARE REQUIRED ON DRIVERS SIDE AND TWO ON PASSENGER SIDE. DOOR BARS MUST RUN BETWEEN FRONT AND REAR ROLL CAGE POSTS AND MAY NOT BE INSIDE FRAME RAILS. GUSSETS SHOULD BE USED WHERE POSSIBLE. BARS AROUND DRIVER MUST BE PADDED SFI SPEC. 45.1 IS REQUIRED. CAGES MUST BE APPROVED.**

## **ENGINES**

**ANY DISPLACEMENT FACTORY PRODUCED ENGINE WITH A CAST IRON BLOCK AND CAST IRON OR ALUMINUM HEADS PERMITTED. ENGINE CHASSIS AND BODY MANUFACTURER NEED NOT MATCH. ALL ENGINES CAN BE MOUNTED A MAXIMUM 4' SET BACK FOR ALL BODIES. CENTERLINE OF CRANKSHAFT MUST BE A MINIMUM OF 10 1/2" TO GROUND. PLANE CARBURETION LIMITED TO US MANUFACTURED 4 BARREL. ANY STOCK OR AFTERMARKET REPLACEMENT FOR STOCK DISTRIBUTOR MAY BE USED. MULTIPLE COIL TYPE SYSTEMS ARE NOT PERMITTED. IGNITION SWITCH SHOULD HAVE "ON-OFF" POSITIONS MARKED AND WITHIN REACH OF DRIVER. DRY SUMPS PERMITTED. ALL SEALED CRATE ENGINES MUST RUN THE PROPER RPM CHIP PER ENGINE (SEE WEIGHT RULES) AND A 650 CFM HOLLEY CARB. ALL CARS MUST HAVE A WORKING STARTER AND BATTERY. ALL BATTERIES MUST BE SECURELY MOUNTED.**

## **TRANSMISSIONS**

**TRANSMISSIONS MUST HAVE A MINIMUM OF TWO FORWARD AND REVERSE GEARS. ALL CARS WITH A MANUAL TRANSMISSION MUST HAVE A WORKING SPRING-ACTUATED CLUTCH. NO HAND CLUTCHES. DRIVE SHAFTS MUST HAVE AT LEAST ONE 360 DEGREE SAFETY STRAP/LOOP DIRECTLY BEHIND FRONT UNIVERSAL JOINT.**

## **FUEL LINES**

**FUEL LINES MUST BE SECURELY MOUNTED AND PROJECTED. FUEL LINES RUNNING THROUGH THE DRIVERS COMPARTMENT MUST BE "AREOQUIP" STEEL BRAIDED OR EQUIVALENT. NO ELECTRIC FUEL PUMPS PERMITTED. NO NITRO OR STRAIGHT ALCOHOL. MAXIMUM 22 GALLON SFI APPROVED COMMERCIAL TYPE FUEL CELL BLADDER WITH FOAM INSERT REQUIRED. CELL MUST BE MOUNTED IN TRUNK AREA BETWEEN FRAME RAILS WITH BOTTOM OF CELL NO LOWER THAN THE BOTTOM OF THE REAR END CENTER SECTION. CELLS MUST BE SECURED BY A FRAME WORK USING A MINIMUM OF 1" SQUARE TUBING. REAR PROTECTIVE BARS STRONGLY SUGGESTED.**

## **SUSPENSION/FRONT**

**RACK AND PINION PERMITTED. MADE FOR RACING UPPER AND LOWER A-FRAMES PERMITTED. MADE FOR RACING STEEL SPINDLES PERMITTED. (UNLESS USING THE APPROVED COLEMAN SPINDLE.) NO TIE DOWNS/SUSPENSION LIMITING DEVICES OF ANY KIND. SWAY BAR OEM STYLE OR SPLINED END STYLE. TRACK OFFICIALS RULING IS FINAL.**

## **SUSPENSION/REAR**

**STANDARD TRADITIONAL TRACK APPROVED STRAIGHT BAR 3 LINK SYSTEM MUST BE BOLTED/WELDED TO HOUSING. ALL MOUNT FOR TRAILING ARMS, THIRD LINK AND TRACK BARS MUST ALSO BE SOLID AND MAY NOT HAVE**

**THE ABILITY TO MOVE. TRAILING ARMS MUST MOUNT TO REAR END 3' BELOW CENTERLINE OF REAR AXLE (ANY VARIATIONS IN MOUNTING OR SHAPE OF TRAILING ARM WILL CARRY A 25 LB PENALTY PER SIDE- 50 LBS TOTAL) IN A SOLID MANNER (HEIM PERMITTED) AND NO PART OF THE TRAILING ARM MOUNTING MAY FREELY ROTATE AROUND THE REAR END WITH ONE HEIM AT EACH END. NO 5TH COIL OR LIFT BAR SUSPENSIONS PERMITTED. NO BIRD CAGE SET UPS OF ANY TYPE 3 OR 4 LINK. THE WHEELBASE DIFFERENCE FROM LEFT TO RIGHT MAY NOT EXCEED 1/2 INCH.**

## **REAR ENDS**

**FLOATER REAR ENDS REQUIRED. QUICK CHANGE REAR ENDS PERMITTED. CARS MUST UTILIZE A WORKING LOCKED REAR END (I.E. A SPOOL OR SIMILAR) NO PART OF THE SPOOL MAY MOVE OR TWIST. ADD 50 LBS FOR OPEN REAR END.**

## **SPRINGS/SHOCKS**

**SHADYBOWL SPECIFIC SPRING/SHOCK PACKAGE FOR 75 LBS WEIGHT BREAK. SHOCKS-PRO OR AFCO R-13-T ALUMINUM THREADED BODY, TWIN TUBE, NON ADJUSTABLE. NO SHREDER VALVES, NO VALVE STEMS OF ANY TYPE. SPLIT VALVING PERMITTED. NO BUMP STOPS-EXTERNAL OR INTERNAL.**

**SPRINGS-FRONT 325 LBS MINIMUM. 2 1/4 COIL OVER STYLE OR SINGLE SPRING STYLE 5 INCH DIAMETER. MUST BE STEEL. 1 SPRING PER WHEEL. NO STACKED SPRINGS. NO PROGRESSIVE RATE SPRINGS. 1 SPRING RUBBER PER SPRING. NO PRE-LOADERS.**

**SPRINGS-REAR 325 LBS MAXIMUM. 2 1/4 COIL OVER STYLE OR SINGLE SPRING STYLE 5 INCH DIAMETER. MUST BE STEEL. 1 SPRING PER WHEEL. NO STACKED SPRINGS. NO PROGRESSIVE RATE SPRINGS. 1 SPRING RUBBER PER SPRING. NO PRE-LOADERS.**

**NO TRAVEL LIMITING DEVICES.**

## **NON SPECIFIC SPRINGS/SHOCKS**

**ONE SHOCK PER WHEEL, ONE SPRING PER WHEEL. 2 1/2" OR 5" DIAMETER SPRINGS. NO CANISTER SHOCKS. NO AIR SHOCKS OR AIR SPRINGS. ALL MUST BE MECHANICAL IN NATURE AND NO PART OF SHOCKS OR SUSPENSION MAY UTILIZE ELECTRICITY. BUMP STOP AND BUMP SPRING TECHNOLOGY PERMITTED.**

## **BRAKES**

**VEHICLES MUST BE EQUIPPED WITH FOUR WHEEL HYDRAULIC BRAKES IN GOOD WORKING ORDER. NO CARBON FIBER ROTORS. ONLY STEEL ROTORS PERMITTED. (NO TITANIUM PARTS, BRAKE FLUID CIRCULATORS PERMITTED. LIQUID OR GAS COOLING NOT PERMITTED.**

## **HUBS**

**FRONT AND REAR HUBS MAY BE REPLACED WITH HEAVY-DUTY AFTERMARKET HUBS. WHEEL LUGS MUST BE A MINIMUM OF 5/8".**

## **WHEELS**

**ALL WHEELS MUST BE STEEL RACING TYPE. MAXIMUM OF 10" WIDTH.**

## **TIRES**

**AMERICAN RACER 970 OR HOOSIER F-70. NO RECAPS. NO ALTERING OF SIDEWALLS. NO SOAKING OR SOFTENING OF TIRES PERMITTED. TIRES**



**MUST DUROMETER A MINIMUM OF 50 COLD. TIRES MUST HAVE BABY POWDER INSIDE THEM. TIRE SAMPLES MAY BE SENT OUT TO BE TESTED AT A LAB. PLEASE READ THE RULES IN THE TIRE RULES SECTION.**

## **SAFETY**

### **HIGHLY RECOMMENDED**

**ON BOARD FIRE SUPPRESSION SYSTEM, FULL CONTAINMENT SEAT, HANS HEAD AND NECK RESTRAINT OR EQUIVALENT.**

### **MANDATORY**

**FIRE EXTINGUISHER, FIRE RETARDANT RACING SUIT, RACING GLOVES, RACING SHOES, UP TO DATE HELMET - SNELL 2015 OR NEWER, 5 POINT MINIMUM RACING BELT HARNESS UNDER 3 YEARS OLD.**

**\*ALTERING OF A MANUFACTURING PART NUMBER WILL NOT BE PERMITTED. ANY PART FOUND WITH AN ALTERED PART NUMBER(S) WILL BE DISALLOWED IN COMPETITION. NO GRINDING OFF PART NUMBERS OR PAINTING SPRINGS OR SHOCKS. ALL MUST MAINTAIN ORIGINAL PAINT AND COLOR BY MANUFACTURER. NO COVERS OVER SHOCKS. THE TRACK INSPECTION EQUIPMENT USED BY AN OFFICIAL WILL BE THE STANDARD OF THE RACE TRACK AND ALL TESTS WILL BE FINAL.**

**\*\*PLEASE SEE GENERAL TRACK RULES, TIRE RULES. SHADY BOWL IN NO WAY GUARANTEES OR IMPLIES THESE RULES WILL KEEP YOU SAFE.**

**\*\*\*THESE RULES ARE SUBJECT TO CHANGE AS CONDITIONS WARRANT WITH A MINIMUM OF A 1 WEEK NOTICE TO BENEFIT THIS DIVISION, ALL GENERAL GUIDELINES FOR PARTICIPANTS, INCLUDING GUIDELINES DISCLAIMER, SAFETY, RACING RULES CONDUCT, SUBSTANCE ABUSE POLICY, OFFICIAL**

**DECISIONS, ETC. LISTED IN THE 2024 SHADY BOWL SPEEDWAY OFFICIAL RULES.**

**\*\*\*ALL RULES SUBJECT TO INTERPRETATION OF SHADY BOWL SPEEDWAY OFFICIALS. ALL RULINGS ARE FINAL.**