

# 2019 SHADYBOWL NAGEL EXCAVATING LATE MODELS 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.

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

ALL CARS WILL HAVE A BASE WEIGHT OF 2750 LBS. ALL CARS (EXCEPT CRATE CARS ) CAN DEDUCT 25LBS FOR LOCKED REAR END. LEFT SIDE WEIGHT MAX OF 58%  
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 )

DEDUCT 25LBS FOR LOCKED REAR END. MINIMUM WEIGHT 2650 LBS.

CRATE CARS ( ONLY ) SEALED CRATE ENGINE WITH CORRECT 6300 RPM CHIP FORD. 6400 RPM CHIP CHEVROLET ( BUSS BOX TESTED ) DEDUCT 50 LBS .  
DEDUCT AN ADDITIONAL 75 LBS FOR ( S/B SPECIFIC SHOCKS SPRINGS WITHOUT BUMP STOPS CONVENTIONAL SET UP 3" RIDE HEIGHT )  
CRATE CARS RECEIVE NO WEIGHT BREAK FOR LOCKED REAR END MINIMUM WEIGHT 2625 LBS .

ALL CARS MUST MEET MINIMUM WEIGHTS BEFORE QUALIFYING AND AFTER FEATURE. NO DEDUCTIONS GIVEN FOR FUEL BURN OFF  
( 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 POLYCARBONATE. SIDE WINDOWS AND BACK GLASS MUST BE A MINIMUM .090 THICKNESS OF POLYCARBONATE. THE MAXIMUM DIMENSION FOR THE VENT WINDOW ALONG THE TOP OF DOOR WILL BE 12 INCHES AND MUST FO 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.
- 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 REQUIRED, BOLTED/WELDED TO CHASSIS.

NO COCKPIT ADJUSTMENTS OTHER THAN BRAKE BIAS. MSD BOXES WILL BE MOUNTED TO THE RIGHT OF THE DRIVER AND OUT OF HIS REACH. NO TRACTION CONTROL DEVICES. ELECTRONIC OR OTHERWISE PERMITTED. USE OF TRACTION CONTROL WILL BE CAUSE FOR IMMEDIATE DISQUALIFICATION AND SUSPENSION FROM FUTURE RACING ACTIVITIES. RADIOS AND MIRRORS NOT PERMITTED. RACE RECEIVER ( ONE CHANNEL ONLY ) IS MANDATORY MUST USE ANYTIME ON TRACK. NO OTHER RADIOS OR CELL PHONES PERMITTED

PAINTING MUST BE PRESENTABLE. NUMBERS MUST BE AT LEAST 18" TALL ON BOTH DOORS AND 4" IN THE UPPER RIGHT HAND CORNER OF 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.

1. CHASSIS... TUBULAR MILD STEEL CHROMALLOY STEEL FABRICATED FRAMES ARE PERMITTED. MAIN FRAME RAILS MUST BE CONSTRUCTED OF AT LEAST .095" THICK MILD STEEL OR CHROMALLOY 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.

2. ROLL CAGE... FULL ROLL CAGE IS REQUIRED, WITH 4 UPRITES 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.

3. 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 THE DRIVER. DRY SUMPS PERMITTED. ALL SEALED CRATE ENGINES MUST RUN THE PROPER RPM CHIP PER ENGINE (SEE WEIGHT RULES) AND A 650 CFM HOLLEY CARD. ALL CARS MUST HAVE A WORKING STARTER AND BATTERY. ALL BATTERIES MUST BE SECURELY MOUNTED.

4. 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.

5. FUEL LINES MUST BE SECURELY MOUNTED AND PROTECTED. FUEL LINES RUNNING THROUGH THE DRIVERS COMPARTMENT MUST BE "AEROQUIP" 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.

6. 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. TRACK OFFICIALS RULING IS FINAL. SWAY BAR OEM STYLE OR SPLINED END SYTLE.

7. SUSPENSION/ REAR. STANDARD TRACK APPROVED 3 LINK SYSTEM ONLY. MUST BE BOLTED/WELDED TO HOUSING. ALL MOUNTS 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 IN A SOLID MANNER (HEIM PERMITTED) AND NO PART OF THE TRAILING ARM MOUNTING MAY FREELY ROTATE AROUND THE REAR END. ALL PARTS OF REAR SUSPENSION MUST BE SOLID, ONE PIECE CONSTRUCTION WITH NO MOVING PARTS, 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.

8. REAR ENDS. FLOATER REAR ENDS REQUIRED. QUICK CHANGE REAR ENDS PERMITTED. LOCKED REAR ENDS RECEIVE A 25 LB. WEIGHT BREAK (EXCEPT WHEN USING A CRATE ENGINE).

9. SHADYBOWL SPECIFIC SPRING/SHOCK PACKAGE FOR 75 LBS WEIGHT BREAK. SHOCKS-PRO OR AFCH R-13-T ALUMINUM THREADED BODY, TWIN TUBE, NON ADJUSTABLE, NO SHRADER 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 MAXIMUM, 2 1/4 COIL OVER STYLE OR SINGLE 5 INCH DIAMETER. MUST BE STEEL. 1 SPRING PER WHEEL. NO STACKED SPRINGS. NO PROGRESSIVE RATE SPRINGS. 1 SPRING RUBBER PER WHEEL. NO PRE LOADERS.

10. NON SPECIFIC SPRINGS/SHOCKS. ONE SHOCK PER WHEEL ONE SPRING PER WHEEL 2 1/4 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 & BUMP SPRING TECHNOLOGY PERMITTED.

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

12. 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. 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. PLEASE READ TIRE RULES IN RULES SECTION ON WEBSITE.

13. SAFETY HIGHLY RECCOMENDED on board fire suppression system , full containment seat , hans head & neck restraint or equivalent MANDATORY. FIRE EXSTINGUISHER , FIRE RETARDENT RACING SUIT , RACING GLOVES , RACING SHOES , UP TO DATE HELMET SNELL 2010 OR 2015 , 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 SPRING OF SHOCKS. ALL MUST MAINTAIN ORIGINAL PAINT AND COLOR BY MANUFACTURER. NO COVERS OVER SHOCKS. THE TRACK INSPECTION EQUIPMENT USED BY AN OFFICAL WILL BE THE STANDARD OF THE RACE TRACK AND ALL TESTS WILL BE FINAL.

PLEASE SEE GENERAL TRACK RULES .TIRE RULES, SHADYBOWL IN NO WAY GUARANTEES OR IMPLIES THESE RULES WILL KEEP YOU SAFE.

these rules are subject to change as conditions warrant without notice to benefit this division or class . all general guidelines for participants ; including guidelines disclaimer, safety, racing rules conduct substance abuse policy, official decisions, etc, . listed in the 2019 SHADYBOWL SPEEDWAY official rules.

ALL RULES SUBJECT TO INTEPRETATION OF SHADYBOWL SPEEDWAY OFFICIALS. ALL RULINGS ARE FINAL.