



2024 SPORTSMAN RULES

UPDATES WILL BE HIGHLIGHTED IN RED

*Always Refer to 2024 General Rules unless noted

1. CHASSIS / CONSTRUCTION /Base weight Minimum BEFORE AND AFTER THE RACE

A. Manufactured Perimeter Frame. 3150 lbs

B. Stock Full Frame cars 100 lb reduction from base weight

1. 58" Main Frame Rail width

2. 2"x3" Rectangular Tube .083 wall thickness (.125 Recommended)

3. Front and Rear subs: Howe #358-8-01, PCC # 610-2-205 and 36601 or equivalent to other suppliers

B. Tubular center section is optional.

C. No under-axle frames are allowed;

D. Roll cage is mandatory.

1. Frame mounted in at least 4 locations, minimum 1.75" diameter, .090 tubing.

2. Four left door bars Minimum 1.75" .090 Tubing with 24" X 24" steel plate (1/8" minimum).

3. 38" minimum main cage height from top of frame to top of halo bars (bottom of halo bars must be above the driver's helmet with the driver strapped in).

4. Cage length 48" Front of cage post to back of cage post.

E. Steel front firewall from fender to fender, top of frame to dash (stock location).

F. All interior panels immediately surrounding the driver must be steel.

G. 57.0% Maximum left side weight before and after the race, with driver in seated position

H. 108" minimum wheel base on one side. No more than 1/2" difference on the other side

I. 76" maximum track width (measured from outside sidewall to outside of sidewall)

J. Shocks: 1 per wheel; Max MSRP per shock \$200. Max MSRP for all 4 shocks is \$600

-BILSTEIN SPEC SHOCK PROGRAM- 50 lbs weight break for SPEC shocks. Must run all 4 to receive weight break. Series official's hold the right to "swap" shock(s) with competitors at any point during the day. Any shock(s) that are swapped will be sent to Bilstein to make sure they are in compliance. Subject to fine and suspension if deemed altered

K. 5" Minimum Body/Frame Height (Must maintain min height after qualifying/race event. Driver out of car)

L. Bump Stops- Springs / Coil Binding /Coil Overs - not allowed

M. All air for engine/radiator cooling must come through the front grill screen cut out. No ducts/hoses going to brakes or tires/wheels

2. FRONT SUSPENSION

A. Stock appearing steering - OEM style.

B. Heim joints are allowed, steel only.

C. Lower control arms must be stock with 5" diameter minimum spring and must be mounted in stock location - nosliding or adjustable. (Aftermarket Loweres are allowed due to Availability of Stock. Must remain stock length)

D. Stock steering box is required.

E. Tubular upper control arms are permitted.

F. Sway bar in stock location and must appear stock.

1. Outboard shocks are permitted. Screw jacks are allowed.

3. REAR SUSPENSION

- A. Minimum 5" od. springs must be directly on top of and in line with the rear-end housing. Screw jacks allowed.
- B. Any Steel stock rear-end is permitted. (No Aluminum housings, tubes, or center section carriers)
- C. No independent rear suspension.
- D. Must have aftermarket axles, made for racing only (no "C" clip axles).
- E. No rubber biscuits.
- F. Rubber rod ends are permitted (stock type only).
- G. Any type Panhard bar permitted.
- H. No in-line torque links. Ends must be in view; not boxed in. No Cambered Rarends
- I. Outboard Shocks are permitted
- J. No Bird Cages. Trailing arms must mount in solid fashion to rear end. No part of trailing arm mount may freely rotate on rear end. (Center pull trailing arm mounting is allowed but must be securely fastened.) No spring or shockloaded trailing arms.
- K. Any stock framed 4 link suspension (200lbs reduction off of base weight) Top two Locations must be within 1" of stock OEM location on the housing May Add 0.5% left side (Max 57.5%)

4. BODY: A. STOCK APPEARING STEEL BODIES 1994 or older may be Aftermarket or OEM. **If the car came off the line from the manufacturer with a minimum 108" wheelbase, that steel body is allowed! Car must maintain Factory steel roof and factory upper portion of rear ¼ panels** ***Exception Five Star Fiberglass roof p/n601-5112 & 601-5102 (AR Bodies equivalent to) Fabricated top rear ¼ portions must appear stock not only in appearance but length as well: Decking to be flat like stock and not dished/bellied

B. Nose and Tail may be plastic and maintain 90degree plastic lip at bottom. Must be mounted in stock fashion (Noangling or layback) Must have a stock type bumper if a plastic bumper cover is not available. (Year / Make of body must **ALL** match/ nose, roof, tail, etc.) Five Star "North American Sportsman Nose, Front Fenders and Hood" are allowed to be used in 2024. Add 75 lbs. Fenders must be used with nose, hoods can be made but must use steel. Same weight added if steel hood is used (P/N-Nose 20xxx-41051, Fenders 1x002-23051) The Five Star NA Sportsman package to be reviewed at completion of 2024 season

C. Fenders and Quarter Panels, if fabricated must be similar in appearance / length to OEM or those produced by Five Star/ Arp for these rules.

- D. Minimum Roof Height is 49" (Measured 10" back from front windshield)
- E. Maximum Quarter Panel Height is 35.5"
- F. Front and Rear Windows Mandatory
- G. No Spoiler (regardless if they are stock)
- H. 26" Top of Nose (Where the nose and front fender meet) Note: That when mounting the body, it is up to you the racer to not chop/alter the body in a way to enhance performance, mount it in a way that it came off of the factory car and or the way it is supposed to be when it comes out of the box from F/S. We cannot provide every measurement for the variety of different makes and models, but if we feel your body does not look original and follow stock body lines we will get the measurements from factory. **Only Exception** to alter Body from its original shape is that you are required to widen body in a reasonable manner to cover tires.

5. ENGINE

- A. American made V8 engines only.
- B. Cast iron blocks & heads only.
- C. Aluminum Intakes allowed
- D. Stock engine location: #1 spark plug in line with upper ball joint.
- E. Factory Crate Engines are allowed
- F. Must have overflow catch can on radiator.
- G. Exhaust pipes must not protrude from body. Side exhaust is recommended.
- H. No electric fuel pumps. Fuel cells are Mandatory
- I. 10" minimum ground clearance at any point.
- 1. Must have metal container, four straps are recommended over the top of fuel cell.

2. Must have fuel cell guard.
3. Fuel cell must be securely mounted in back of rear axle housing, BETWEEN FRAME RAILS, BETWEEN REARTIRES and adequately protected

6. GENERAL

- A. Steel 5x5 with 8" maximum width wheels/rims.

Tire Rules 1. Tire Rotation: Allowed 4 on opening night. 1 tire allowed per night rotation after that.

The tires for the 2024 are the **American Racer- AR 870**

- B. Officials may change any rule in the interest of fairness or safety at any time and all decisions are final!

C. 7. **SAFETY** A. **Window opening: No add-ons or filler pieces of any kind.** B. On-board fire suppression system with minimum 5 pound extinguisher is recommended. 5 pound fireextinguish-er mounted in car is required.

FINAL NOTE: Berlin Raceway ultimately has the final decision on all participants and vehicles.