TECHNICAL BULLETIN

CARS STARS SUPER TOUR & AFFILIATED SERIES

- 2027 -

November 17, 2026: This CARS Tour Technical Bulletin addresses technical rule adjustments for the CARS STARS Super Tour and affiliated CARS Tour series' – CARS West Super Tour, CARS Midwest Super Tour, CARS Northwest Pro Tour, CARS Southwest Pro Tour, CARS Midwest Pro Tour, CARS Mid-Atlantic Pro Tour, CARS Southeast Pro Tour. The contents of this Technical Bulletin have been approved by the ABC Chassis Committee. The specifications and guidelines below will be incorporated in the 2027 CARS Tour Rulebook to be released in December of 2026. The implementation of this Technical Bulletin is January 1, 2027, unless otherwise noted below.

OIL TANK

The lowest flat surface of any external fluid tank, including mounting brackets, must be a minimum of two inches (2") from the bottom of the frame rail. Tank mounts cannot extend below the height. No Pan or Protecting cover can be added.

BATTERY BOX

The maximum dimension of the battery box is 10.5" x 7.5". The battery box must have a solid bottom. The lowest flat surface of the battery box, including mounting brackets, must be a minimum of two inches (2") from the bottom of the frame rail.

FUEL CELL LOCATION & MOUNTING

Fuel cells can be no closer than eleven inches (11") off the back rearend axle tube, on both the left and right sides.

Fuel cells must be securely mounted with at least four (4), minimum Grade 5, 3/8-inch-diameter bolts minimum, two (2) per side, unless the mounting structure is permanently welded to the chassis.

Fuel cells must be mounted with four (4) 1/8" steel tabs that are welded to the chassis. If mounting the fuel cell directly to the chassis, the frame rail must be sleeved and or bunged and must use minimum Grade 5, 3/8" bolts minimum, through the chassis. Sliders, slugs, adjustable mounts, and any mechanism permitting repositioning or movement are prohibited.

Fuel cells must always be a minimum of 8" from the ground to the bottom of the fuel cell. This measurement must be met at any given time. When the nose is at tech or race height. No exception.

FUEL CELL CONSTRUCTION & CAPACITY

All fuel cells must have a maximum capacity of twenty-two (22) gallons.

Fuel cells must have an outer container of magnetic steel at least 22 gauge thick, with an approved rubber or Kevlar fuel bladder. No plastic.

All fuel cell tops that are removable must have ¼" bolts holding the top of the can on.

FUEL CELL RETAINING STRAPS

All fuel cells must have two (2) straps steel retaining straps measuring a minimum of 1 ½" x 0.125" minimum thick magnetic steel or 1"x 1" square steel tubing with a minimum thickness of .065" (.000 tolerance) across the front, back, and top of the fuel cell assembly, attached securely to the fuel cell mounting frame structure.

Straps must prevent lifting, shifting, or dislodging.

LEFT SIDE DOOR BARS & FRAME RAILS

The minimum left-side door bar height is twenty-three inches (23"), measured vertically from the bottom of the main frame rail to the top of the uppermost left-side door bar.

All chassis, regardless of manufacture date, must comply by the June 1, 2027, deadline. Additional safety requirements may be announced following committee review.

RIGHT SIDE DOOR BARS & FRAME RAILS

No right-side weight rails or extra panning will be permitted.

RACK PLATE

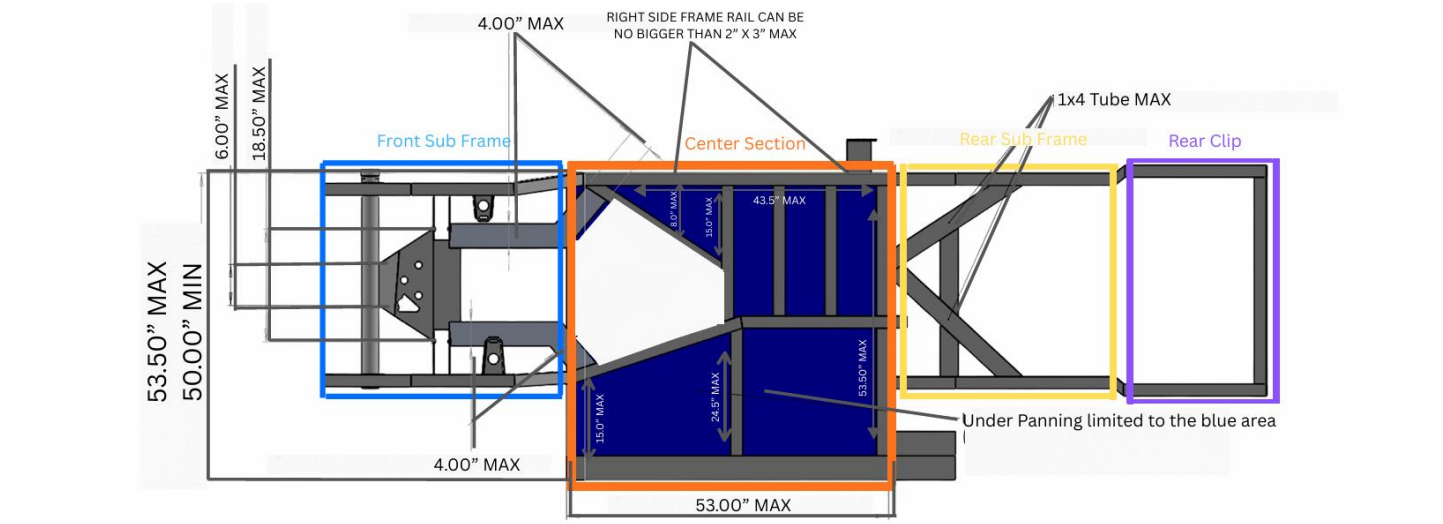
The rack plate (as shown in the Chassis Diagram) may not exceed 6” width in the front and may not exceed 18.5” width in the rear. These maximum dimensions are effective January 1, 2027. By January 1, 2028, the rack plate may not exceed 6” front and 9” rear.

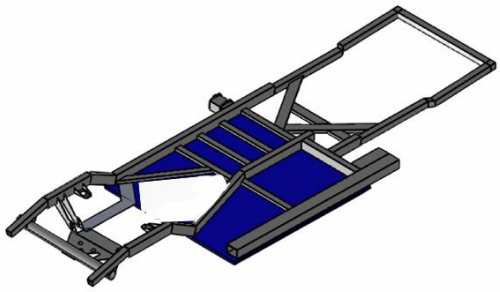
CHASSIS DIAGRAM COMPLIANCE

The official 2027 Chassis Diagram and Technical Guidelines shall serve as the governing technical standard for all chassis construction, configuration, and inspection. All competing vehicles must comply with the requirements, dimensions, specifications, and limitations outlined in the official 2027 chassis diagram and accompanying guidelines.

As a minimum, all vehicles are required to have basic and typical roll cage and main frame configured as shown in the diagram. Any additional roll bars, box tubing or cross members must be approved by CARS Tour Officials. Modifications or alterations which detract from or compromise the integrity or effectiveness of any roll cage or main frame component will not be permitted.

All chassis are subject to inspection and approval by CARS Tour Officials. Any chassis found not to comply with the official 2027 CARS Tour Chassis Diagram, technical guidelines, or applicable chassis rules may be deemed ineligible for competition until the noncompliance has been corrected and approved by CARS Tour Officials.





- ALL RIGHT SIDE BALLAST MUST BE MOUNTED INSIDE OF FRAME RAIL
- MAXIMUM DIMENSION OF BATTERY BOX 10.5” X 7.5” MUST HAVE SOLID BOTTOM, MUST BE MOUNTED A MINIMUM OF 2” FROM THE BOTTOM OF THE FRAME RAIL, INCLUDING MOUNTING BRACKETS.
- SWAY BAR TUBE MUST BE A SINGLE WALL, ONE-PIECE ROUND TUBE, 3.00” DIAMETER MAX
- THE STEERING ASSEMBLY MOUNTING PLATE MUST BE A MINIMUM 1/8” THICK STEEL WITH NO ATTACHMENTS
- THE LOWEST FLAT SURFACE OF ANY EXTERNAL FLUID TANK INCLUDING MOUNTING BRACKETS, MUST BE A MINIMUM OF 2” FROM THE BOTTOM OF THE FRAME RAIL. TANK MOUNTS CANNOT EXTEND BELOW THE HEIGHT. NO PAN OR PROTECTING COVER CAN BE ADDED.
- AS A MINIMUM, ALL VEHICLES ARE REQUIRED TO HAVE THE BASIC AND TYPICAL ROLL CAGE AND MAIN FRAME CONFIGURED AS SHOWN IN THE DIAGRAM. ANY ADDITIONAL ROLL BARS, BOX TUBING OR CROSS MEMBERS MUST BE APPROVED BY CARS TOUR OFFICIALS. MODIFICATIONS OR ALTERATIONS WHICH DETRACT FROM FROM OR COMPROMISE THE INTEGRITY OR EFFECTIVENESS OF ANY ROLL CAGE OR MAIN FRAME COMPONENT WILL NOT BE PERMITTED.

Fuel Cell

- FUEL CELLS CAN BE NO CLOSER THAN ELEVEN INCHES (11”) OFF THE BACK REAREND AXLE TUBE, ON BOTH THE LEFT AND RIGHT SIDES.
- FUEL CELLS MUST BE SECURELY MOUNTED WITH AT LEAST FOUR (4), MINIMUM GRADE 5, 3/8-inch-DIAMETER BOLTS, TWO (2) PER SIDE, UNLESS THE MOUNTING STRUCTURE IS PERMANENTLY WELDED TO THE CHASSIS.
- FUEL CELLS MUST BE MOUNTED WITH FOUR (4) 1/8” STEEL TABS THAT ARE WELDED TO THE CHASSIS. IF MOUNTING THE FUEL CELL DIRECTLY TO THE CHASSIS, THE FRAME RAIL MUST BE SLEEVED AND OR BUNGED AND MUST USE MINIMUM GRADE 5, 3/8” BOLTS THROUGH THE CHASSIS.

SLIDERS, SLUGS, ADJUSTABLE MOUNTS, AND ANY MECHANISM PERMITTING REPOSITIONING OR MOVEMENT ARE PROHIBITED