

# Full Arena Rules 2018

These rules are Big Car and Compacts

1. BUMPER--- Any loaded auto and or homemade bumper can be used. No oversized bumpers must be car sized no sharp points homemade v must be 8in spread over 32in min or less. Bumper must be in front of core support mount. May shorten frame to factory core support mount. Front bumper 28in to top max back bumper 14in to bottom min.
2. BRACKETS—any auto or 5x3/8 flat steel both ways can be used on one side of frame only 20in long max also anything within 6in from back side of bumper where it mounts to frame. Frame only not k-member or engine cradle. Back bumper may also use anything within 6in from back side of bumper where it mounts to frame. You may also weld rear bumper to body 10in max using 3x3 ¼ max flat steel. Please weld these on good I don't want to pick bumpers up.
3. BODY MOUNTS—You may remove and replace any factory mount with 1/2in bolt max. Bolt must be inside frame in factory location with a 1in thick min and 3in round max spacer or factory spacer with 1/4in thick 3in round max washer. Front core support mount must be in factory location may shorten frame to this point. You may use up to a 1in bolt with 5x5 ¼ washer with 3in max sleeve may be welded or bolted to frame and core support. Between these sleeves/bolts you may use 1/4in plate with 3x3 ¼ angle on top and bottom no lower or no higher than factory core support. This is for radiator support and protection this may not be welded to bumper or is no wider then factory core support mounts/sleeves. You may also use 1in bolt with 5x5 ¼ max washer on very rear trunk mount bolt may go through frame and washer may be welded to frame.
4. DOOR—You may weld up to 10in per factory exterior door seam. Using 3x3 ¼ max flat steel. Driver's door may be solid welded with anything no wider then 6in from door seam nothing to frame. You may weld tops of door skins with weld only. Cars that are 4 door no posts may add 3x3 ¼ strap 5in on door 5in on roof this 5in on door will not count as your 10in per seam.
5. TRUNK—You may weld up to 10in per factory trunk lid seam. Using 3x3 ¼ max flat steel. You may also add two 1in bolts that can be welded to side of frame vertical only. These bolts may have a 5x5 ¼ washer on trunk floor and on trunk lid. You may also have a bar from trunk lid to roof using 2x2 ¼ with a 5x5 washer/plate on roof and trunk lid. This must be within 5in of speaker deck trunk lid seam and will not count against your 10in seam welds. You may tuck crease or pound body lines any way you want. No added metal and must be trunk lid no sheet steel must be hole cut for inspection.
6. HOOD—You may have up to 6 attachment points please see BODY MOUNTS for core support rules all other points may be tin to tin only. With 1in bolt max and 5x5 ¼ washers max. Bolt may be welded to tin only up to 5in. Angle iron with two bolts is ok but must be 5x5 ¼ max attachment area. Must have 8in hole cut for fire may have holes cut for headers these holes can be bolted together using 3/8<sup>th</sup> bolts with 3in washer max 6 per cut out no more than 12 bolts per hood. Must be a car hood with no added metal.

7. CAGE—You may use 6in max round steel nothing longer than 60in and you may have 6 down bars welded to top side of frame only must be vertical. You are allowed to have 1 bar per side and 1 bar in dash area and one behind seat middle bar is ok. Dash bar must be 6in from engine min. May have halo or roll bar may attach to frame but will count as cage down bar and must be no further back than 60in from front most part of cage. You may also have a gas tank protector that must be 1in away from body and 4in off floor and no wider than 24in no higher than 12in and attached to cage only. May have two 2x2 ¼ in window area may attach 5in on body 5in on roof this can also attach to dash bar using same material. This may not contact any engine component at all.
8. INTERIOR—You may patch rusted floor pan 2in past rust only no other welding or added metal. All gas tanks, seats; battery box ext... must be attached to floor tin or cage only never both. Must be fasten good please be safe cover battery and other items for safety.
9. EXTERIOR—Any rust repair must be no bigger than 2in past rust leave rust in place must use same size material. No rust repair in trunk floor area. Do not over do or you will not run or will cut it out. Any roof sign can be use but must not attach to window bars or halo in any way that adds strength to car in any way. Body lines and shaping in any way you want not added metal. You may bolt fenders with 3/8<sup>th</sup> bolt 3in washer in 6 spots. May also use 3 more to attach to core support.
10. FRAME—You may weld frame seam top side only a-arms forward 1/2in bead. No frame shaping you may cut or dimple frame in rear. You are also allowed 10in behind a-arm for tipping frame or seam welding not both. When tipping frame must be at a factory seam or tranny cross member. If tipping at tranny cross member this will count as your full 10in allowed. You may also weld a 5in wide 20in long hump plate 1/4in thick max must be centered in hump. If you have a k-member style car you may use this 10in to weld k-member to frame in bolt area only. Pre-ran cars may have 6 fix plates per car must be to fix a bend 6x4 ¼ these plates must be one side of frame only and must be 1in apart. You may use 4strand of #9 wires around frame and through body with no added metal 1 per window.
11. ENGINE—Any engine and or engine cradle can be used. But must be no more than 6in wider than engine and may attach to engine cross member. Any weld or plate to hold motor in must be at least 1in away from frame or suspension with the exception of one 3x3 ¼ strap from front side of motor to top side of frame in front of a-arm. This strap must be vertical to top side of frame with 3in of weld and no further forward than 3in from a-arm. If using engine cradle, mid plater, dp, or any protector of any kind fire wall must be cut out for it to pass through. It must not be a support for car in any way. If you don't use or are using front and lower engine cradle only and not using any other kind of engine or tranny protection you may use two 2x2 ¼ tubes from engine cross member to tranny cross member this must never touch frame and must mount to tranny cross member in center under tranny mount 6in apart outside to outside max. This rule is to equal the playing field of high dollar cradle do not abuse this or it will be cut. You may re-enforce engine cross member in any way but must be 1in gap from frame this is to mount engine not to strengthen car. No cradle or protection of any kind allowed in compact class carb protectors are ok must not strengthen car in any way. 2x2 ¼ with 3x1/4 flat by 5in for factory location engine mounts compact class only!

12. TRANSMISSION—Any tranny protector may be used attached to engine and tranny cross member only no welding to floor. You may leave floor in place with no added metal. Any part of tranny or brace may touch only 6in of cross member and this must be in center outside to outside no wider than 6in or it will be cut. You are allowed a factory car cross member welded to frame with no more than 10in per side. Or you may use 2x2 ¼ max tube this may be welded to frame with 3x3 ¼ angle 10in per side. You may tip your frame at cross member mount but this will count as your 10in seam please read #10 FRAME. Slider drive shafts are ok. No protector in compact class.
13. REAR END—You may use rear end of choice but must use factory mount on frame side. You may convert w-link with 4x4 ¼ tube 4in long welded to frame it must be in a factory location this is for mounting only not to re-enforce mount or frame. No leaf spring conversion. No part of rear end housing may touch frame or be used as a brace. You may bolt springs/rear end in through spring pocket with 5x5 ¼ washer may go through body. You may chain rear end with 3/8<sup>th</sup> one spot on frame must be within hump plate area. Factory leaf cars can have double main with 2in stager 9 leaves max and no thicker than 3/8in per leaf with 6 clamps 2in flat steel for clamps plus factory ones.
14. SUSPENSION—You must use factory car parts must be bolted in factory location with no added metal. No aftermarket parts or oversized parts. You may weld suspension solid using 3x3 ¼ metal in 2 locations 3in on suspension 3in on frame. Or you may use ¾ bolts through frame with 3in washers. You may add 2in of metal for ball joint spacer only.
15. TIRE—No split rims or anything unsafe! Must be rubber!
16. RADIATOR—You may use any car radiator or radiator sized water barrel in stock location. You are also allowed a radiator protector. Please read #3 BODY MOUNTS
17. DO NOT OVER READ JUDGES FINAL SAY IS MINE!!! Thank You Josh Stock 218-770-0041