

Rule changes or additions for the 2019 season are underlined or strikethrough. The 2019 ARCA rule book will take precedent over this rules amendment sheet.

11/09/18

## **2019 ARCA RACING SERIES SPECIFICATIONS**

The ARCA Racing Series is limited to models of approved manufactured automobiles. Exceptions to the year and model may be made under certain conditions. Body styles not listed, that fit ARCA requirements, must be submitted to ARCA for approval.

### **1. BODY STYLES ELIGIBLE FOR USE IN 2019**

#### **A. STEEL (Paved tracks ¾ mile and under and dirt tracks only)**

**CHEVROLET:** 2011 - 2013 Impala SS

**DODGE:** 2011 - 2013 Charger

**FORD:** 2011 - 2013 Fusion

**TOYOTA:** 2011 - 2013 Camry

#### **B. COMPOSITE**

**CHEVROLET:** SS

**FORD:** Fusion

**TOYOTA:** Camry

### **2. WHEELBASE:**

i. Remains the same.

ii. Remains the same.

### **3. BODY:**

**STEEL:** All body panels must remain stock in dimensions and contour. All body panels must be made of magnetic steel. All body components including windshield must correspond to the same year, make and model. Any and all body parts are subject to template dimensions. Any modifications to body panels that in the discretion of ARCA officials are excessive will not be permitted. **Effective in 2019, the composite body will be the only body eligible for use on all paved oval tracks over ¾ mile. Effective in 2020, the composite body will be the only body eligible for use on all tracks.**

i. Remains the same.

ii. Remains the same.

**COMPOSITE:** For the approved composite body styles, complete unaltered body panels must be used. Modifications and alterations will not be permitted. Painting the interior of the body panels will be permitted using only light gray or clear coat and must not change the texture of the panels. At all times the manufacturer label must remain visible. Unapproved alterations of the inside of all panels will not be permitted. The exterior dimensions, contours and appearance of all bodies must remain as supplied by manufacturer and approved by ARCA. Non-compliance with any aspect of composite regulations will result in immediate removal and confiscation of all non-conforming parts.

i. Remains the same.

ii. Remains the same.

#### **A. ROOF/GREENHOUSE**

##### **Steel**

i. Remains the same.

ii. Remains the same.

iii. Remains the same.

iv. Remains the same.

##### **Composite**

ARCA approved greenhouses:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-51212 or 14121-51222 (with greenhouse recess)
Ford Fusion	14311-51212 or 14311-51222 (with greenhouse recess)
Toyota Camry	14711-51212 or 14711-51222 (with greenhouse recess)

i. When measuring across a composite bodied car from the top of the door panel at the bottom of the door window opening, a distance of 68" (plus or minus 1/8") at the "A" post and a distance of 65-1/2" (plus or minus 1/8") at the "B" post must be maintained.

ii. Remains the same.

iii. Remains the same.

##### MANUFACTURER

Roush Industries

Five Star

##### PART NUMBER

30-348-0032 (for greenhouse #51212)

14001-51881 (for greenhouse #51222)

#### **B. FRONT BUMPER / GRILLE / AIR DAM**

##### **Steel**

i. Remains the same.

ii. Remains the same.

- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

**Composite**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Any extensions to front air dam must be single layer plastic mounted flush and not to exceed 3/16" in thickness and mount parallel to front air dam. Extension must mount flush and maintain same angle as the leading edge of the splitter.

ARCA approved front bumper cover:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-41011
Ford Fusion	14311-41011
Toyota Camry	14711-41011

ARCA approved grilles:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-46611
Ford Fusion	14311-46611
Toyota Camry	14711-46611

Optional approved air dam wear strip:

<u>Model</u>	<u>Part number</u>
All	14001-41851

Nose ID graphics:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-444141
Ford Fusion	14311-444141
Toyota Camry	14711-444141

**C. FRONT FENDER**

**Steel**

- i. Remains the same.
- ii. Remains the same.

**Composite**

- i. Remains the same.

ARCA approved front fenders:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-23011L 14121-23011R
Ford Fusion	14311-23011L 14311-23011R
Toyota Camry	14711-23011L 14711-23011R

**D. HOOD**

**Steel**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

**Composite**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

ARCA approved hoods:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-33312
Ford Fusion	14311-33312
Toyota Camry	14711-33312

ARCA approved hood flaps:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-34512L
	14121-34512R
Ford Fusion	14311-34512L
	14311-34512R
Toyota Camry	14711-34512L
	14711-34512R

Optional hood pin bracket mounting hardware:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-3416 (1/2")
	14121-3436 (3/16")
Ford Fusion	14311-3416 (1/2")
	14311-3436 (3/16")
Toyota Camry	14711-3416 (1/2")
	14711-3436 (3/16")

## E. DOOR / ROCKER PANEL

### Steel

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

### Composite

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

ARCA approved doors:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-21011L
	14121-21011R
Ford Fusion	14311-21011L
	14311-21011R
Toyota Camry	14711-21011L
	14711-21011R

## F. ROCKER PANEL EXTENSIONS

### Steel

- i. A rocker panel extension must be mounted [with acceptable fasteners](#) flush with outer body panels and must be in place on both left and right side of car. The lower portion of the extension must be constructed using a single layer of plastic type material. The plastic material may be replaced with metal at the tail pipe area on the right side of the car from the leading edge of the right rear wheel opening forward, a maximum length of 30". ARCA approved stiffeners or supports will be permitted on the left side and right side rocker panel extensions. This strip, from rear of front tire to front of rear tire, must have ground clearance of 3" minimum on the left side and ground clearance of 4" minimum on the right side. Both ends of the extensions are to be cut so they are perpendicular to the ground. Extensions must not alter rocker panel width.

### Composite

- i. A rocker panel extension must be mounted [with acceptable fasteners](#) flush with outer body panels and must be in place on both left and right side of car. The lower portion of the extension must be constructed using a single layer of plastic type material. The plastic material may be replaced with metal at the tail pipe area on the right side of the car from the leading edge of the right rear wheel opening forward, a maximum length of 30". ARCA approved stiffeners or supports will be permitted on the left side and right-side rocker panel extensions. This strip, from rear of front tire to front of rear tire, must have ground clearance of 3" minimum on the left side and ground clearance of 4" minimum on the right side. Both ends of the extensions are to be cut so they are perpendicular to the ground. Extensions must not alter rocker panel width. The distance from outside the left-side rocker panel extension to outside the right-side rocker panel extension when measured at the front is 73" and the distance from the left-side rocker panel extension to the right-side rocker panel extension when measured at the rear is 75". Both front and rear measurements will be taken at the top of the rocker panel extensions.

Optional approved rocker panel extensions:

<u>Model</u>	<u>Part number</u>
All (x=color)	14001-55051 – x

## G. QUARTER PANELS

### Steel

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

### Composite

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

ARCA approved rear quarter panels:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-27411L 14121-27411R
Ford Fusion	14311-27411L 14311-27411R
Toyota Camry	14711-27411L 14711-27411R

## H. DECK LID

### Steel

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

### Composite

- i. Remains the same.
- ii. Remains the same.
- iii. The deck lid must be in operating condition. The deck lid must have a self-holding device made of metal to hold the lid up when opened. When closed, the deck lid **and deck lid extension** must be sealed around the entire perimeter of the **deck lid** opening.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the Same.

ARCA approved deck lids:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14001-31011
Ford Fusion	14001-31011
Toyota Camry	14001-31011

ARCA approved deck lid extensions:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-32211
Ford Fusion	14311-32211
Toyota Camry	14711-32211

## I. SPOILER

### Steel

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.

**Composite**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

ARCA approved rear spoiler:

<u>Model</u>	<u>Part number</u>
All	14001-67033

**J. REAR BUMPER****Steel**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

**Composite**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

ARCA approved rear bumper covers:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-45011
Ford Fusion	14311-45011
Toyota Camry	14711-45011

Tail ID graphics:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-44541
Ford Fusion	14311-44541
Toyota Camry	14711-44541

**K. Windshield****Steel**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

**Composite**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

ARCA approved windshields:

<u>Model</u>	<u>Part number</u>	<u>Description</u>
Chevrolet SS	14121-63443-2	¼" laminated, cut, bev, drilled
Ford Fusion	14311-63443-2	¼" laminated, cut, bev, drilled
Toyota Camry	14711-63443-2	¼" laminated, cut, bev, drilled

Optional windshield braces:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-76333
Ford Fusion	14311-76333
Toyota Camry	14711-76333

**L. SIDE WINDOW****Steel**

- i. Remains the same.

- ii. On oval tracks ~~1-1/4~~ 1-1/3 mile in length and over, all cars will be required to have installed a full one-piece window on the right side of the car. The window must be inset 1-1/2" along the entire length of the roof top and "A" post. The bottom of the right side window must also be inset 1-1/2" at the "A" post and follow a straight line back and must end flush with the "B" post. Mounting track dimensions for the right side window maximum 1" in height and a maximum length of 18" across the door top. The window shall be mounted in such a way that the driver or the track crew can easily remove it. No tape will be permitted on the side window glass. Right side window must be made of polycarbonate and must be 1/4" thick.
- iii. Remains the same.

**Composite**

- i. Remains the same.
- ii. On oval tracks ~~1-1/4~~ 1-1/3 mile in length and over, all cars will be required to have installed a full one piece-window on the right side of the car. The window must be inset 3/4" along the entire length of the roof top and "A" post. The bottom of the right side window must also be inset 3/4" at the "A" post and follow a straight line back and must end flush with the "B" post. The mounting track for the right-side window maximum 1" in height and a minimum length of 27" across the door top and minimum length of 25" across the door sill. The window shall be mounted in such a way that the driver or the track crew can easily remove it. No tape will be permitted on the side window glass. Right side window must be made of polycarbonate. and must be 1/4" thick.
- iii. Remains the same.

ARCA approved optional door window:

<u>Model</u>	<u>Part number</u>	<u>Description</u>
All	14001-62342R	1/4" mar-resistant, cut, bev, right

ARCA approved window track:

<u>Model</u>	<u>Part number</u>	<u>Description</u>
All	14001-76212	Right side window track

**M. QUARTER WINDOW**

**Steel**

- i. Quarter windows openings must maintain the same size, shape and be located in the stock position for the make and model car. Only flat, clear polycarbonate is to be used in the quarter window openings. Quarter window must be 3/16". One standard 4" high by 7" long opening, 3" NACA duct must be installed in the left side quarter window as far forward and as low as possible. The duct must be mounted horizontal to door top and must remain open and unrestricted at all times. **Flush mount** quick release fasteners **only** are **to be** used.
- ii. Remains the same.
- iii. Remains the same.

**Composite**

- i. Quarter window must remain exactly as supplied by the manufacturer for the ARCA approved model car with no modifications or alterations and in stock position. Only flat, clear polycarbonate is to be used in the quarter window openings. Quarter window must be 3/16". One standard 4" high by 7" long opening, 3" NACA duct must be installed in the left side quarter window as far forward and as low as possible. The duct must be mounted horizontal to door top and must remain open and unrestricted at all times. **Flush mount** quick release fasteners **only** are **to be** used.
- ii. Remains the same.
- iii. Remains the same.

ARCA approved optional rear quarter windows:

<u>Model</u>	<u>Part number</u>	<u>Description</u>
Chevrolet SS	14121-65353L	3/16" mar-resistant, cut, bev, cs, black, left
	14121-65353R	3/16" mar-resistant, cut, bev, cs, black, right
Ford Fusion	14311-65353L	3/16" mar-resistant, cut, bev, cs, black, left
	14311-65353R	3/16" mar-resistant, cut, bev, cs, black, right
Toyota Camry	14711-65353L	3/16" mar-resistant, cut, bev, cs, black, left
	14711-65353R	3/16" mar-resistant, cut, bev, cs, black, right

**N. REAR WINDOW**

**Steel**

- i. Remains the same.
- ii. Remains the same.

**Composite**

- i. Remains the same.
- ii. The rear window must have a minimum of 2 and a maximum of 5 non-adjustable 1" metal rear window braces installed. 1 non-adjustable rear window brace support per brace will be allowed. The rear window brace support must be a minimum 1/4" diameter and must attach to the rear window brace and attach near the intersection of the rear firewall and rear package tray. The rear window braces and supports must always keep the rear window rigid in all directions and all ARCA templates must fit properly. No bolts will be allowed through window other than mounting to greenhouse.
- iii. Remains the same.

ARCA approved rear windows:

<u>Model</u>	<u>Part number</u>	<u>Description</u>
Chevrolet SS	14121-61353	3/16" mar-resistant, cut, bev, cs, black
Ford Fusion	14311-61353	3/16" mar-resistant, cut, bev, cs, black
Toyota Camry	14711-61353	3/16" mar-resistant, cut, bev, cs, black

Optional rear window braces:

<u>Model</u>	<u>Part number</u>
Chevrolet SS	14121-76133
Ford Fusion	14311-76133
Toyota Camry	14711-76133

### **ARCA APPROVED (Flange Fit) COMPOSITE BODY MOUNTING INSTRUCTIONS**

The following ARCA-Approved (Flange Fit) Composite Body mounting instructions are to be used with Diagrams (#8A & 8B). To use these instructions, the numbered paragraphs each relate to corresponding numbers shown in Diagrams (#8A & #8B). Each paragraph explains the requirements for the mounting of the ARCA-Approved (Flange Fit) Composite Body.

1. Remains the same.
2. Remains the same.
3. Remains the same.
4. Remains the same.
5. Remains the same.
6. Remains the same.
7. Remains the same.
8. Remains the same.
9. Remains the same.

The ARCA-Approved (Flange Fit) Composite Body must meet all other specifications as set forth in the ARCA Rule Book. All body mounting requirements must be acceptable to ARCA Officials.

#### **4. ENGINES**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.
- viii. Remains the same.
- ix. Remains the same.

#### **A. LOCATION**

##### **Steel**

- i. Remains the same.
- ii. Remains the same.
- iii. Engine to ground height must be a minimum 10" and a maximum of 12" from center of crank to ground to be used at all tracks.
- iv. Minimum 3" ground clearance on oil pan.

##### **Composite**

- i. Remains the same.
- ii. Engine to ground height must be a minimum 10" and a maximum of 12" from center of crank to ground to be used at all tracks.
- iii. Minimum 3" ground clearance on oil pan.

#### **B. ENGINE MOUNT**

- i. Remains the same.
- ii. Remains the same.

### C. LUBRICATION

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

### D. CARBURETOR / THROTTLE BODY

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same:

- viii. Remains the same.
- ix. Remains the same.
- x. Remains the same.

xi. At all non-restrictor plate tracks, ARCA will require all carbureted engines to be equipped with a 1" thick tapered spacer issued by ARCA. The tapered spacer will be installed between the carburetor and the manifold/spacer. All engines must compete with a tapered spacer with four (4) 1.150" holes. Tapered spacer can be acquired through Cometic Gaskets. Any attempts that result in inducting air from sources other than the normal approved method through the air filter and carburetor venturis will not be permitted. Any altering of the ARCA issued tapered spacer or gaskets will not be permitted. Tapered spacer subject to revision if competition proves necessary to change.

- xii. Remains the same.
- xiii. Remains the same.

### E. INTAKE

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.
- viii. Remains the same.
- ix. Remains the same.
- x. Remains the same.
- xi. Remains the same.
- xii. Remains the same.

### F. AIR CLEANER

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

### G. COWL

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

### H. IGNITION SYSTEM

- i. For carbureted engines, the maximum RPM will be 8600 RPM. The ONLY approved ignition trays are the ACCEL adjustable ignition tray #61214 (dual box adjustable tray) or #61214-1 (single box adjustable tray). The trays are made up with ACCEL #61213 CD-Pro adjustable RPM ignition box(es), ACCEL #140051 Promaster single tower coil(s), ACCEL #29000B Promaster black coil selector (dual tray only), ACCEL #29069 #10 shock mount kit and #60616 coil wire tray assembly. The distributor lead wire must run through tube under dash through firewall.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. All ECU units are to be mounted on the recessed area on the right side of dash. The ECU unit is to be mounted on a separate flat solid 12" x 12" aluminum plate .125" thick. Plate must be secured on right side of dash to ARCA's discretion.

### I. IGNITION WIRING

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.



## J. DISTRIBUTOR

- i. Remains the same.
- ii. Remains the same.

## K. RADIATOR

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## L. FAN / FAN SHROUD

- ~~i. All cars are required to use a maximum of one fan.~~
- ~~ii. Removal of fan or fan belt is prohibited when a mechanical fan is used.~~
- i. Mechanical fan with a minimum of four (4) blades permitted. The minimum diameter of the mechanical fan to be no less than 14" and the fan blades to be a minimum of 3-½" wide. The pitch of the fan blades may be changed; however, the fan blades must retain standard size, width and length. Flat fan may be used at any time but must be of minimum measurements.
- ii. When a mechanical fan is used, the shroud must follow the entire circumference of the fan and cannot extend more than 1" rearward of the trailing edge of the fan blade.
- iii. Mechanical fan may be removed, and an electric fan may be used mounted parallel on back side of radiator only.
- iv. Remains the same.

## M. WATER PUMP

- i. Remains the same.
- ii. Remains the same.

## N. FUEL PUMP

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

## Q. ALTERNATOR

- i. Remains the same.

## P. STARTER

- i. Remains the same.
- ii. Remains the same.

## Q. BATTERY

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

## R. EXHAUST / HEADERS / MUFFLERS

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

<u>Hooker part number</u>	<u>Description</u>
70101361-RHKR	304SS 4 into 2 primary stepped header (pair)
70101361LW-RHKR	304SS 4 into 2 primary stepped header, left
70101361RW-RHKR	304SS 4 into 2 primary stepped header, right

- vii. The following are the approved collectors for the ARCA/Ilmor 396;

<u>Hooker part number</u>	<u>Description</u>
7104304LW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 round collector, left
7104304RW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 round collector, right
7104305LW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 oval collector 5.3" w outlet/5.2" L, left
7104305RW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 oval collector 5.3" w outlet/5.2" L, right
7104306LW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 oval collector 4.13" w outlet/6" L, left
7104306RW-RHKR	Y-pipe, 304SS 2-¼" 2 into 1 oval collector 4.13" w outlet/6" L, right

- viii. Remains the same.

## S. BELL HOUSING / CLUTCH / TRANSMISSION

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.

#### **I. DRIVE SHAFT**

- i. Remains the same.
- ii. Remains the same.

### **5. INTERIOR**

All interior floor pans, front and rear firewalls must be magnetic steel and welded in place. Any opening that allows air to pass from the interior to the trunk of the car is not permitted. Any opening that allows air to pass from the interior of the car to the outside of the car is not permitted. All interior to exterior seams must be sealed.

#### **A. FRONT FIREWALL**

- i. Must be single panel magnetic steel and stock in appearance and free of holes. Must retain stock position to ARCA's discretion.
- ii. Remains the same.
- iii. Remains the same.

#### **B. FLOOR PAN**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

#### **C. REAR FIREWALL**

- i. Must be single panel magnetic steel and stock in appearance and free of holes.
- ii. Remains the same.
- iii. Remains the same.

#### **D. DASHBOARD / GAUGES**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. If dial type gauges are used, all gauge feed lines must be of steel braided type. No rubber or plastic lines.
- vi. A digital dash may be used. The Holley EFI Pro Dash 12.3 Digital Dash, part # 553-111 will be the only digital dash permitted for use during an event. Part # 558-449 Holley wiring harness must be used.
- vii. Only one digital dash will be permitted in the vehicle at any time and must be used exactly as supplied from the manufacturer. Internal and/or external modifications to the digital dash will not be permitted.
- viii. The digital dash must be securely mounted using positive-threaded, magnetic steel fasteners. Vibration mounts are recommended.
- ix. The digital dash must only receive data through the approved wiring harness.
- x. Screen covers or privacy filters that hinder in-car camera broadcasting of the digital dash screen will not be permitted.
- xi. Any modifications or attempts to modify the functionality of the digital dash software or to compromise the manufacturer's intended functionality will not be permitted.
- xii. During Competition, the digital dash will be set for "Race Mode", which will be verified by ARCA inspection equipment.

#### **E. RACE SAFE SYSTEM**

- i. Each car in competition must be equipped with an approved Race Safe System (serviced by Racing Electronics) dashboard-mounted safety light and/or the Holley Pro Dash 12.3 Digital Dash part #553-111 equipped with a functioning Race Safe safety light.
- ii. Remains the same.
- iii. Remains the same.
- iv. The antenna is to be mounted 20" back from windshield and 6" in from the right-side roof rail.

#### **E. MIRROR**

- i. Remains the same.
- ii. Remains the same.

#### **F. CLUTCH / BRAKE PEDALS**

- i. Remains the same.

#### **G. SHIFTER**

- i. Remains the same.
- ii. Remains the same.

#### **H. SEAT / HEAD SURROUND**

THE RESPONSIBILITY OF THE DRIVER IS TO ENSURE THAT ALL SAFETY EQUIPMENT THAT IS WORN AND ALL SAFETY EQUIPMENT INSTALLED IN THE CAR IS INSTALLED TO MANUFACTURERS RECOMMENDATIONS.

- i. Remains the same.

- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## I. BELTS

THE RESPONSIBILITY OF THE DRIVER IS TO ENSURE THAT ALL SAFETY EQUIPMENT THAT IS WORN AND ALL SAFETY EQUIPMENT INSTALLED IN THE CAR IS INSTALLED TO MANUFACTURERS RECOMMENDATIONS.

- i. All cars must have minimum quick-release **6-point** belt system which meets SFI specification 16.5 or 16.6. Belts may not be any older than 2 years from original certification date.
- ii. Remains the same.
- iii. Remains the same.

## J. WINDOW NET

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.

## K. FIRE EXTINGUISHERS

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. The extinguishers must be certified **only** by the manufacturer every **two years**. The manufacturers label must be clearly marked and **visible** mounted in such a manner so that the label/certification can be read from topside of car. to ARCA inspectors.
- v. Remains the same.
- vi. Remains the same.

## 6. TRUNK

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

## 7. FUEL CELL / FUEL LINES

### A. FUEL CELL

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Fuel cell, installed in recessed well must be secured with steel **straps tubing**, two (2) lengthwise and two (2) crosswise. **Straps Tubing** must be made of 1" x 1" square magnetic steel tubing bolted with no removable spacers. Fuel cell top rack must not be located more than 9-1/4" above the floor of the recessed well for 22 gallon and 8" for 18 gallon. Fuel cell must be supported by three **tubes** made of 1" by 1" square magnetic steel tubing extending front to rear, secured to frame equal distance from each end.
- vii. When mounting fuel cell through trunk floor, **an additional container** a recessed well of minimum 20-gauge (0.032") steel must be welded solid to floor of trunk for installation of fuel cell. **container**. The maximum distance from the bottom of the rear frame rail to the bottom of the recessed fuel cell well is 6-1/2" measured any place across the recessed well. The minimum ground clearance from the bottom of the recessed fuel cell well to the ground when measured at any point is to be no lower than 9".
- viii. Remains the same.
- ix. Remains the same.
- x. Remains the same.
- xi. Remains the same.
- xii. Remains the same.
- xiii. Remains the same.

### B. FUEL LINES

- i. Fuel lines from cell to carburetor or throttle body must run through the driver's compartment and must be enclosed in one 1-1/4" outside diameter **steel metal** tube, not to be mounted higher than 6" above floor plan and run to the right of the transmission tunnel and inside of the right-side frame rail. The tube running through the driver's compartment must be red in color and labeled "FUEL LINE". Fuel lines and location must be approved by ARCA.
- ii. Remains the same.
- iii. Remains the same.

## 8. ROLL CAGE / CHASSIS

### A. ROLL CAGE

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## B. FRAME

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## C. FRONT SUSPENSION

- i. The maximum sway bar end diameter is 2". The diameter of the sway bar body is not to be more than 2-3/8". Sway bar must be connected when going through tech and scale inspection.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Center of the spring in the lower control arm to the center of the lower ball joint will be a maximum of 6".
- vii. Remains the same.
- viii. Lower left A-frame and lower right A-frame must measure within 1/2" of each other, and mount in approved position (i.e. left and right must agree, offset will not be permitted).
- viii. Remains the same.
- ix. Remains the same.
- x. Remains the same.

## D. STEERING / STEERING WHEEL

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.

## E. HUBS & SPINDLES

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## F. TREAD WIDTH

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## G. REAR SUSPENSION

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.
- viii. Only a 2 link I-beam type trailing arm type suspension will be permitted. Trailing arms must have a minimum combined wall thickness of .250". All trailing arms are to be constructed from magnetic steel with a minimum wall thickness of 1/8" using two C-channels, minimum 3" in height and a 90-degree bend to form a 1" lip top and bottom and must be stitch welded top and bottom every 8" at minimum. The trailing arm may be vertically reinforced from the rear of the lower coil spring mounting pad rearward. The height of the front of the trailing arm may be tapered from the trailing arm bushing back not to exceed 6". The minimum thickness of truck trailing arm material acceptable to ARCA is 0.117"
- ix. Remains the same.
- x. Remains the same.
- xi. Remains the same.
- xii. Remains the same.
- xiii. Remains the same.
- xiv. Remains the same.
- xv. Remains the same.
- xvi. A single panhard bar must be used to hold rear axle housing in the center of the car. The panhard bar must be straight, round, tubular magnetic steel with an outside diameter of 1-1/4" for the entire length. The panhard bar must be connected to the rear end of the left side trailing arm and to a bracket welded to the frame rail on the right side of the car. The trailing arm side of the panhard bar, panhard bar brackets and/or components must not be lower than the lowest edge of the respective rear wheel. The frame mounted side of the panhard bar, panhard bar brackets and/or components must not be lower than 5-1/2" when measured from the ground to the lowest part of any component. The measurements will be taken with tires set at the tire manufacturers recommended inflation pressures. Mounting points on the axle housing must be evenly spaced. Minimum panhard bar length is 40".
- xvii. Remains the same.

## H. SHOCKS

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Rear shock upper mounts must be located inside the frame rail. All rear shock absorbers must be mounted behind rear axle housing a maximum distance of 2" when measured from the rear axle tube to the shock absorber shaft. The angle of the rear shocks cannot exceed 30 degrees when rear shocks angle inboard towards the center of the car.

## I. REAR END

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.

## J. AXLE

- i. Remains the same.
- ii. Remains the same.

## K. BRAKES

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.

## 9. WHEELS

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.

## 10. TIRES

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.
- viii. Remains the same.
- ix. Remains the same.
- x. Remains the same.

## 11. WEIGHT

- i. Remains the same.
- ii. ~~No weight to be added forward of front firewall.~~
- ii. All weight containers must be welded in a manner approved by ARCA.
- iii. A ballast container 2" wide by 3" high magnetic steel box tubing with a minimum wall thickness of 0.075" may be mounted to the front of the sway bar mounting tube. The container must be mounted flush with the outside edge of the right-hand sub-frame side rail and may extend a maximum of 1" past the left-hand sub-frame side rail. The ballast container must be completely welded to the bottom surface of both left and right sub-frame side rails. Also, 2 evenly spaced tabs top and bottom must be welded to sway bar tube and ballast container. Tabs must be at minimum 1" x 2" with a minimum thickness of .090. Minimum 7/16" magnetic steel retention through bolt must be used. The container must not be lower than the bottom edge of front bumper cover.
- iv. Remains the same.
- v. The front end of all weight containers and the right end of the front sway bar mounting tube ballast container (if used) must be capped and welded with same material as container. A 1" hole will be allowed in the end cap to allow access to added weight.
- vi. Remains the same.
- vii. Remains the same.
- viii. Remains the same.
- ix. Remains the same.

## 12. FUEL

- i. Remains the same.
- ii. Remains the same.

- iii. Remains the same.
- iv. Remains the same.

**13. FUEL FILLER CANS**

- i. Remains the same.
- ii. **All filler cans must be transported using an approved fuel cart. Team members transporting fuel for the race must wear a firesuit.**
- iii. Remains the same.
- iv. Remains the same.

**14. APPEARANCE**

- i. Remains the same.
- ii. Remains the same.
- iii. Remains the same.
- iv. Remains the same.
- v. Remains the same.
- vi. Remains the same.
- vii. Remains the same.
- viii. All mandatory contingency decals must be in place prior to car going on track. All remaining contingency decals must be in place prior to qualifying.
- ix. Contingency decals must be used as supplied by ARCA or sponsor and may not be altered regarding size, shape or colors.
- x. Remains the same.
- xi. The driver's last name must be displayed across the top of rear window. The letter size must be 3-½" in height using Berthold Akzidenz Grotesk Extra Bold Condensed Italic style font in white vinyl centered on 5" black perforate vinyl and extended the full width of the rear window.
- xii. Approved team/logo or sponsor name/logo will be allowed on rooftop behind roof numbers. The maximum size allowed is 9" in height. Team/sponsor name or logo cannot extend beyond the roof rails.

**15. PERSONAL SAFETY EQUIPMENT**

**A. Driver**

- i. Full face drivers' helmets which meet Snell SA 2010 or Snell SA 2015, or SFI specification 41.1 mandatory.
- ii. Driver suits are required to meet, at minimum, SFI specification 3.2A/5 and must effectively cover the body from neck to ankles and wrists.
- iii. For an additional layer of protection, full coverage fire resistant underwear which meet SFI specification 3.3 is optional.
- iv. Full coverage fire resistant gloves and shoes which meet minimum SFI specification 3.3/5 are required.
- v. ARCA approved head and neck restraint system which meets SFI specification 38.1 mandatory. All head and neck restraint devices must be recertified every 5 years after the date of original certification or 5 years from date on conformance label. Head and neck restraint devices must be returned to original manufacturer for inspection and recertification. The manufacturer will affix a new SFI 38.1 conformance label marked with the inspection date.

**B. Over the Wall Crew Members**

- i. Crew members must be ARCA licensed and must be properly attired when servicing car during pit stops. Suits which meet a minimum SFI specification 3.2A/1.
- ii. Gloves which meet minimum SFI specification 3.3/1 (example G-Force part #4100).
- iii. Balaclava (head sock) which meet minimum SFI specification 3.3 (example G-Force part #4112) for all over the wall crew members are required.
- iv. Helmets must also be worn by any over the wall crew members.

**C. Fuel Handlers**

- i. Crew members involved in fueling the car are required to wear suits which meet minimum SFI specification 3.2A/5
- ii. Gloves which meet minimum SFI specification 3.3/1 (example G-Force part #4100).
- iii. Balaclava (head sock) which meet minimum SFI specification 3.3, (example G-Force part #4112).
- iv. Fueler apron which meets minimum SFI specification 52.1.
- v. Full face helmet **must be worn by any fuel handler.**
- vi. **Shoes which meet minimum SFI specification 3.3/5.**
- vii. All gas filler and catch can crew members should wear fire resistant underwear and socks which meet SFI specification 3.3.

ARCA reserves the right to impound any car for inspection. Refusal to comply with request may result in fine, penalty and/or suspension of driver, crew chief and/or owner. All decisions by Official in charge or ARCA executive committee members will be final. All rules subject to interpretation by ARCA Officials. Rule Books will be made available to members. All equipment not governed by the aforementioned rules are to be submitted to ARCA, not less than 30 days prior to the date of intended usage. No equipment will be considered approved by reason of having passed through inspection un-observed.