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2020 Rule(s) Bulletin

Bulletin 2020-1 Revised

December 19, 2019

During the off season drivers are encourage to review the Modified Lite STARS rules to insure that safety requirements are meet. The following rules apply in regard to the 2020 Modified Lite STARS Racing Series rules dated September 30, 2019. **Reference:** <https://sfifoundation.com/>

Each competitor is the solely responsible of for the effectiveness and proper installation, per the manufacturer's specifications, of personal safety equipment and determining it to be adequate for competition at every event. Each competitor is expected to investigate and educate themselves for continuing improvement regarding their own personal safety equipment.

Different safety regulations may be in place depending on the local and/or state government rules and/or laws and/or regulations in the specific location of the racetrack. Helmet and seat belt dates and/or specified equipment requirements, worn, utilized and/or otherwise may be different than specified in the rule book. Contact your local track officials for more information regarding this.

1. Fuel, Fuel Cells, Fuel Systems:

- a. Racing fuel cell required.
- b. Race cell must be manufactured from racing industry company's and available thru local racing retail outlets or mod lite fabricators.
- c. Fuel cell maximum 5 gallon capacity, must be in steel container. An aluminum container may be used as an option and must be a minimum of .060"-inch in thickness.
- d. Cell must be securely mounted behind rear axle, between rear tires, minimum of 10 inches above ground.
- e. All cell mounts must be steel, securely welded to frame/cage. No part of cell shall be lower than protective tubing.
- f. Must mount with minimum one inch square tubing or two solid steel straps around entire cell, one inch wide and 0.125 inch thick.
- g. Fuel cell vents, including cap vent, must have check valves, and bladders are highly recommended. If fuel cell does not have aircraft style positive seal filler neck/cap system - a flapper, spring or ball type filler rollover valve is required.
- h. Fuel shut-off recommended.

2. Electrical Systems, Batteries, Electrical Accessories:

- a. The battery must be securely mounted with positive fasteners and brackets.
- b. The battery terminals must be insulated or enclosed with a non-conductive material that will prevent contact with any part of the race car should the battery become dislodged from the battery mount.
- c. One (1) mandatory battery disconnect switch must be installed on the rear deck, behind the driver seat, in a location that is easily accessible from outside the race car. The switch must be clearly labeled with off/on direction. The switch must be directly in-line with the NEGATIVE battery cable and be capable of completely disconnecting the NEGATIVE terminal of the battery from the race car. Negative or "ground" wiring

connections must not be made anywhere from the battery negative terminal to the input side of the disconnect switch. An additional battery disconnect switch within the drivers reach may also be used.

3. Wheel, Wheel Discs, Wheel Spacers:

- a. Steel wheels only, minimum wall thickness .090", 13" only, Wheel width max. 8".

4. Personal Safety Equipment:

- a. Drivers must wear gloves at all times they are on track, during practice and competition. Driver's gloves must meet or exceed the SFI specification and have a legible and valid label. SFI 3.3/1 or 3.3/5.
- b. Full-face helmet required. SA 2010, SA 2015 SFI 38.1, FIA 8860-2004, FIA 8860-2010, Snell 2010, SAH 2010, or SFI 31.1/2005.
- c. Fire resistant driving suit required. Single layer minimum SFI 3.2a1 or double layer SFI 3.2a5
- d. Fireproof shoes required. SFI 3.3
- e. Head and neck restraint systems recommended SFI 3.38.1 and shall be inspected for recertification every five years after the date of original certification.
- f. Driving racing harness & restraints (seat belts) required. SFI 16.1 Replacement 2 years

5. New Style SFI Labels for Driver Restraints and Window Nets/Roll Cage Nets

- a. Beginning in 2017, SFI Foundation, Inc. (SFI) changed its label design and dating system for Driver Restraints, Window Nets, and Roll Cage Nets.
- b. SFI implemented a New Label design which removed the punched-out month/year date of manufacture and instead incorporate a single expiration date pre-printed on the label. This system will streamline the manufacturing process by eliminating the need for punch-dating of labels and aims to facilitate technical inspection of dated products in the field.
- c. The New Labels were introduced on January 1, 2017. An example of the new label (right), next to the old label (left) for comparison, is shown here:



6. Race Car Installed Safety Equipment:

- a. Seat must be high-backed aluminum, racing type.
- b. Recommend complete driver full containment type seat with head rest and head surround.
- c. Seat must be mounted to a seat frame that is welded to the racecar frame/roll cage structure. Attaching points, angles, and materials for the seat frame and mounting of the seat to the seat frame must be in accordance to the seat manufacturer instructions.

- d. Seats must be used as supplied and instructed by the seat manufacturer with the exception of trimming the length of the left side head surround for the purpose of egress only. If the left side head surround is trimmed to a distance that is less than the most forward surface of the drivers helmet (usually the area crossing the chin) then recommend a left side head net meeting the SFI 37.1 installed with a quick release latch.
- e. All cars will have a permanent bar located behind top of seat at shoulder level.

7. Fire Suppression:

- a. Fire bottle system HIGHLY recommended must be fastened down with metal spring bands and not plastic. SFI 17.1

8. Effective 1 January 2021:

- a. All racecars must be equipped with a complete driver full containment type seat with head rest and head surround.
- b. Head and neck restraint systems will be required. SFI 3.38.1 Head and Neck Restraint Systems shall be inspected for recertification every five years after the date of original certification.

Any questions concerning this bulletin can be directed to the undersign at 814-442-1738 or e-mail me at modlitestars@gmail.com.

William C. Bauer /e/

William C. Bauer
President of Competition
& Racing Operations
Bilstein Modified Lite STARS Racing Series