



August 21, 2019

Re: Tech Inspection

Safety-wise the following are consistently overlooked.

Front and rear bulkheads must be completely sealed. Tape is no longer considered a compliant method for sealing. Any space larger than 1/4" must be sealed with metal. Under 1/4" can be sealed with silicon or fire proof foam.

Any fuel, oil or water lines inside the car must be shielded with metal panels. In some instance waterproof flex tubing can be used. Aeroquip steel braided hoses and fittings still need to be covered.

Cool suit boxes must have 2 ratchet type straps (four attachment points) holding the box in place. The plastic loops and the factory supplied Velcro straps are not compliant. The cool suit hoses don't have to be shielded but the quick disconnect fittings between the driver's cool suit shirt and the tubing are highly recommended. It is rude to dump cool suit water in your pit stall.

Front Door glass must be removed both sides. Hatch or rear window and side quarter windows must be covered with 3M type clear hurricane or safety film if you keep the glass. Polycarbonate is free to replace existing glass/windows. If used, front and rear windshields must have 2 metal support braces, see the rule for specifics.

Roll bar padding for areas of potential helmet contact must be covered with high density foam padding with an SFI Certification of 45.1 or greater. Loose pads are not compliant and any movement must be eliminated.

Clip in seat belt hardware must have the clip lock pin or safety wire in place. See seat belt install instructions for more details.

All Batteries must be securely mounted to the chassis with at least two mounting points with large washers or an additional solid plate under the mount point to help dissipate load in there is a crash.

Batteries mounted in the driver's compartment (not separated by a bulkhead) must be in a high-quality marine case with a sealed lid. (Boat battery box).

Driver and passenger doors windows must remain open. On the driver's side, a triangle piece of Polycarbonate attached to the door like an old-style vent window maybe added but cannot exceed 80 sq. in. The passenger side may add the same Polycarbonate triangle if the piece includes a NACA duct.

Window net(s) should cover the driver side door opening from the steering wheel back to the driver's seat and must be less than 4-years old with a clearly dated SFI certification.

Fire bottles must be in the green and soon will need to be in certification. Not over or under the green on the pressure gauge. Over or under the green area make the system non-compliant.

Backside of all fire bottle mounts if attached to the floor board must have large washers to dissipate load during crashes. At least one nozzle should be located to spray directly on the driver's lower mid-section. If the nozzle is mounted at the area under the steering column the spray pattern will not be blocked by your legs and should not spray the driver's helmet.

And of course, all welds must be 360° around all tubing copings.

Hope I did not describe anything incorrectly and if you have questions you can email me direct. Feel free to share this if you find it helpful, understandable and error free. Tech@champcar.org.

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