

BULLETIN 2022-02



Subject: Technical Rule Changes

Issue Date: February 24, 2022

Effective Date: Immediately

Rationale:

1. Updated safety equipment specs to include most recent.
2. Requirement for fuel tank protection.
3. Clarification of the studded tire rules.
4. It has become increasingly difficult to get an inspector to conduct a new build inspection prior to issue of the log book. These changes clarify the inspection fee and expenses associated with the inspection of vehicles and issue/re-issue of log books.

11.1.8

All competitors shall wear at all times during the event, a one- or two-piece driving suit conforming to:

- a) FIA homologation 8856-2000 & 8856-2018;
- b) FIA 1986 standards;
- c) SFI 3-2A/5;
- d) SFI 3-2A/1 standard with approved fire-resistant underwear is acceptable.

12.3.3.1

Five- or six-point safety harness of unmodified proprietary manufacture, meeting the specifications below, shall be fitted for both crew members:

- a) FIA Standard 8853/98 & 8853-2016;
- b) SFI 16.1;
- c) SFI 16.5.

12.3.11.2

A fuel-resistant and fire-retardant plate or shield is required between the passenger compartment and the compartment or area in which the fuel tank, fuel filler and fuel pump is located.

All fuel tanks and cells must be securely mounted to the vehicle. Any fuel tank or fuel cell surface exposed on the bottom of the vehicle shall be equipped with a shield designed to prevent puncture or damage from stones, debris, and abrasion.

12.3.12.1

Seats:

- a) Use of hinged-back and OEM seats is prohibited;
- b) All the occupants' seats must be homologated by the FIA standards 8855-1999 or 8862-2009, 8855-2021, and not modified;
- c) It is recommended that seats be replaced after 5 years from the date of manufacture. Seats older than 10 years from date of manufacture must be replaced.

12.4.3 Studded Tires

12.4.3.1

Studded tires are permitted at winter events in jurisdictions that permit the use of studded tires if so defined in the event supplementary regulations. In events that are comprised of a National event and a Regional event concurrently, the supplementary regulations are to define the usage of studs for each event.

12.4.3.2

Studded tires produced by a tire manufacturer (such as the Nokian Hakkapeliitta 8), that are North American DOT approved for use on public roads may be used (competition tires may only be used in accordance with 12.4.3.3). These tires must retain, the original ~~amount~~ number and type of stud installed at time of manufacture and must not be modified. It is the entrant's responsibility to provide supporting documentation of stud type and stud count for any such tire.

12.4.3.3

Tires in which studs are installed subsequent to the manufacturing process may also be used and the following conditions must be met:

- a) Studs must protrude no more than 3.5mm from the tread face, and meet the Tire stud Manufacturers Index (TSMI) specifications on size 12, 13, 15 or 16 (see TSMI appendix). Stud construction shall have a single base flange, a cylindrical body, and carbide tip with maximum diameter of 2.5mm;
- b) The studs must be mounted in ~~DOT~~ tires that are designated by the manufacturer as studdable and are produced with moulded holes for the purpose of stud retention;
- c) There may only be a maximum of 130 studs per tire, regardless of tire size;
- d) Adhesive may be used to affix the stud into the tire;
- e) Homemade, competition, specialty, off road or custom studs are not permitted;
- f) Studs are permitted in all classes.
- g) Studded tires must be presented at scrutineering and marked by the scrutineer as approved for use in the event. Studs may be pulled as required to determine the type and size.
- h) Unmarked studded tires used during the event will be penalized per NRR 17.2

12.9 Vehicle Log Books

12.9.1

A standard CARS Vehicle Log Book shall be issued for all vehicles. The log book shall remain with the vehicle, including changes of ownership. CARS retains ownership of the log book which may be withdrawn by the National Scrutineer or Technical Director, if the vehicle fails to comply with CARS safety requirements.

12.9.2

Only one log book is issued to each vehicle (other than by way of extension or replacement) ~~and the possession of two log books for one vehicle, at one time,~~ Misuse of a log book shall be deemed a breach of the GCRs.

12.9.4

A Log Book can be issued for a New Build or as a Replacement or Extension of an existing log book as per the following requirements:

12.9.4.1

A New build:

- a) ~~Prior to painting~~ The builder/owner shall request, from the CARS Region Director an initial inspection of the completed fixed components including, roll cage, seat rails, seat belt attachments & unibody. An initial inspection may be declined if the above noted parts are painted.

- b) Prior to inspection, the builder/owner is required to have paid the inspection fee and pre-determined travel expenses (payable directly to the CARS office).
- c) Expenses will include:
- Mileage allowance as amended periodically by CRA,
 - Accommodation cost, if applicable,
 - Per diem for food and misc. expenses.
- d) ~~b)~~ Upon receipt of the fees and expenses the CARS Region Director will arrange for an inspection by a CARS designated inspector. ~~the cost of which shall be born by the builder/owner.~~ Vehicle inspection and inspector expense fee schedule is posted on the CARS website.
- e) ~~e)~~ Upon successful inspection, the CARS designated inspector shall sign off the initial inspection report and submit the completed inspection report to the CARS Technical Director.
- f) ~~d)~~ The CARS Technical Director will review the inspection report and assign a CARS log book identification number
- g) ~~e)~~ Prior to the first event, or at the first event with prior approval of the CARS designated inspector, the final inspection will be completed and include: both
- Inspection of all removable and consumable parts for compliance with the NRR's and,
 - Inspection for class compliance as per CARS Technical Rules section 12.
- h) ~~f)~~ Upon successful final inspection, the CARS designated inspector shall apply the individualized CARS decals to the roll cage and sign off final inspection in the CARS log book.
- i) ~~g)~~ The vehicle is now approved to compete, subject to event technical inspection.

12.9.4.2

As a Replacement or Extension for an existing log book:

- a) If the log book is ~~lost~~ needs replacing, the vehicle owner shall request a replacement log book from the CARS Region Director;
- b) Reinspection of the car may be required as determined by the Technical Director;
- c) If no re-inspection is required, the new log book will be issued by the Technical Director upon receipt of the replacement log book fee (payable directly to the CARS office);
- d) If re-inspection is required, then, prior to inspection, the owner is required to have paid the inspection fee and pre-determined travel expenses (payable directly to the CARS office);
- e) Expenses will include:
- Mileage allowance as amended periodically by CRA,
 - Accommodation cost, if applicable,

- Per diem for food and misc. expenses;
- f) Upon receipt of the fees and expenses, the CARS Region Director will arrange for an inspection by a CARS designated inspector;
- g) Replacement log book and re-inspection fee schedule is posted on the CARS website;
 - b) ~~If the log book is full, the vehicle owner shall request an extension book from the CARS Region Director~~
- h) ~~e) In both cases,~~ The Region Director will communicate the issue of the replacement log book with the CARS Technical Director.

12.9.4.3

As an extension for an existing log book.

If the log book is full, the vehicle owner shall request an extension book from the CARS Region Director at no cost;