



Technical Regulations 2014

Organised & Promoted by:

ignition.my

No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJUS
Kota Damansara, 47810 Petaling Jaya, Malaysia
FAX: +603 7886 01271

TECHNICAL REGULATIONS

(The regulations are subject to change, which will be published via Additional Supplementary Regulations – ASR)

1. GENERAL

1.1. Eligible cars

Any 4-wheeled production based car, kit cars or limited production sports car.

2. VEHICLES

Cars for SNF Touge are classified into two major categories:

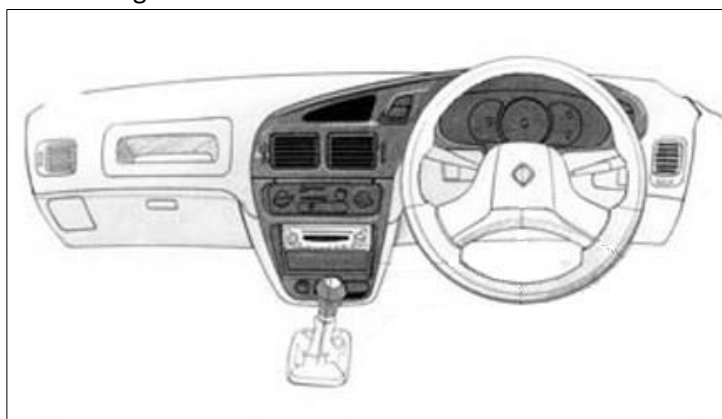
2.1. **Street-competition cars:** Car not been prepared specifically for competition ie no seam welding or stripped interior.

2.1.1. Fitted with factory fitted OEM equipment as listed below :

- Full length carpets & soundproofing
- Door trim panels and Pillar trim panels.
- Roof headlining.

2.1.2. Fitted with OEM full length dashboard with all listed panels. **Refer to diagram 2013a**

- Instrument Panel and cowling
- Steering Column cover and indicator stalks
- Centre console and switches
- Gear console and gear shift cover.



2013a

- 2.1.3. Removal of Air-conditioning unit is NOT allowed. Blower must be in functioning condition.
- 2.1.4. No stripping of the interior is permitted except to accommodate safety equipment. Safety equipment is defined as Roll Cage and safety harness. Refer to points **5.5 & 5.6**.
- 2.1.5. All Vehicles must be available for purchase from a major manufacturer currently/previous as a factory OEM vehicle.
- 2.1.6. Carbon fibre and other lightweight materials for bodyparts are allowed, all parts must still retain the OEM factory body look and style. Limited to Front Bonnet, Rear Bootlid, Front wings/fenders, doors, front bumper, rear bumper.
- 2.1.7. OEM passenger cell from firewall, front screen till rear screen, floorboard and doors must be retained.
- 2.1.8. OEM strut towers must be retained and used.
- 2.1.9. OEM floor and firewall must be retained.
- 2.1.10. *Recommended* to have a minimum a 4-point roll cage, a 4-point harness, an internal

Organised & Promoted by:

ignition.my

No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJU5
Kota Damansara, 47810 Petaling Jaya, Malaysia
FAX: +603 7886 01271

and external electrical cut-off switch, and a fire extinguisher.

2.2. Competition-Prepared cars:

- 2.2.1. May be stripped of any interior equipment such as carpets, door trims, centre consoles, etc. Dashboard/instrument panel is not required. Replacement door panels permitted.
- 2.2.2. Air-conditioning system and audio system may be removed.
- 2.2.3. OEM Glass front screen must be retained. All other windows may be replaced with lexan etc.
- 2.2.4.

3. CATEGORIES

3.1. Street-competition cars

3.1.1. Special Kei

Front/Mid/Rear Engine, FWD/RWD /4WD cars with naturally aspirated engines below 1000cc or forced induction engines up to 660cc, high volume unibody monocoque chassis only. Limited to production cars which conform to the original Japanese production kei-car dimensions of: Max Length: 3.4m. Max width: 1.48m. Limited to OEM narrow-body setup.

3.1.2. Super 1500

Front/Mid/Rear Engine, FWD/RWD /4WD cars with naturally aspirated engines below 1500cc or forced induction engines up to 1000cc, high volume unibody monocoque chassis only. (Lotus Elise/Exige/ Ariel Atom/KTM X-Bow/Radical etc do not qualify). No Rotary Engined cars.

3.1.3. Street Tuned

Front/Mid/Rear Engine, FWD/RWD /4WD cars, high volume unibody monocoque chassis only (Lotus Elise/Exige/ Ariel Atom/KTM X-Bow/Radical etc do not qualify). Specific capacities and engines permitted are:

- o Forced induction up to 1600cc (turbo or super)
- o Naturally aspirated with following limitations:
 - 4-valve and 5-valve per cylinder engines up to 1900cc.
 - 2-valve and 3-valve per cylinder engines up to 2500cc.
 - Mazda rotary-engine up to 1308cc (maximum 2 rotors only) peripheral port not permitted,
 - Honda VTEC engines not permitted. Other Variable Valve Timing engines are permitted ie MIVEC, VVTI, VANOS, etc.

3.2. Competition-Prepared cars

3.2.1. Open, VTEC & Turbo

Front/Mid/Rear Engine, FWD/RWD /4WD cars, high volume unibody monocoque chassis only (Lotus Elise/Exige/ Ariel Atom/KTM X-Bow/Radical etc do not qualify). Rotary engines permitted, as well as Honda VTEC engines and turbocharged engines. Physical engine capacity limit of 2500cc. Also NA engines that are beyond the capacity limits of the lower categories ie 2000cc 4-valve engines.

Organiser's rights to move a participant's car into a different category as deemed necessary is final.

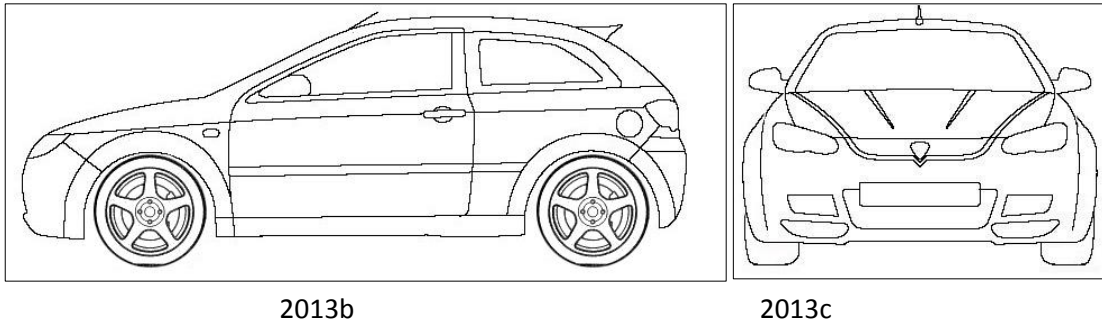
Organised & Promoted by:



No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJU5
Kota Damansara, 47810 Petaling Jaya, Malaysia
FAX: +603 7886 01271

4. MODIFICATIONS / BODYWORK

- 4.1. Modifications made to the vehicle cannot compromise the safety or structural integrity of the vehicle.
- 4.2. Wheel/Tires must not protrude beyond OE bodywork. However if wheel/tires protrude beyond bodywork additional wheel arches **MUST** be installed. Wheel arches must cover from top of wheel & tire and reach to the bottom of vehicle floorpan level. **Refer to diagram 2013b and 2013c.**
- 4.3. For Special Kei Category, no additional wheel arches is allowed. Only OEM narrow-body is permitted.
- 4.4. Any soft-top / cabriolet cars must have the Hard-Top installed.
- 4.5. Headlights and tail lights are recommended to be taped up.
- 4.6. All exterior lights must be functional.



2013b

2013c

5. SAFETY EQUIPMENT/ INTERIOR

- 5.1. Safety equipment including cut off switches for electrical & fuel systems, Fire Extinguisher is recommended.
- 5.2. Competition safety harness & Competition bucket seat is recommended.
- 5.3. Any battery placed within the passenger compartment must be of sealed Dry cell type. It must be installed securely within a secure box with lid cover.
- 5.4. A bolt-in or welded-in Roll cage may be installed. It must be secured at minimum four points with secure bolts. Mounting points are the base of the B Pillar and the rear wheel arch or rear suspension turret.
 - Welded-in safety cages are permitted however they must be basic in configuration and may NOT be welded to strengthen the shell.
 - Only the main 6 cage location points to the floor of the shell may be welded.
 - No welding to front suspension turrets.
 - No welding to pillars (however bolting to existing locations on the pillars or bodyshell is acceptable).
- 5.5. The interior can be stripped of certain trim to facilitate installation of Roll Cage. Items that may be removed are:
 - Rear Seat Back,
 - Rear Seat Cushion,
 - Rear parcel shelf or speaker shelf board.
- 5.6. Only the following listed items may be replaced for safety equipment installation:
 - Rear Inner Door Panels and Inner Side Panels must be in place and/or be replaced with other fire resistant panels that completely cover the window winder & door catch mechanism. There must not be any exposed metal in this area.

Organised & Promoted by:

ignition.my

No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJU5
Kota Damansara, 47810 Petaling Jaya, Malaysia
FAX: +603 7886 01271

- Audio head unit may be removed and must be replaced with plastic panel to accommodate safety electric cut-off switch and other safety switches. There must not be any exposed hole(s) in the dashboard.

- 5.7. No fluid leaks of any kind.
- 5.8. No loose items within engine bay.
- 5.9. Poorly engineered and poorly attached bars inside the cabin are not allowed.

6. DRIVER ATTIRE

- 6.1. Drivers are required to wear proper auto/motor Helmets. Minimum requirement is SIRIM Approved. No Bicycle Helmets allowed.
- 6.2. Drivers are recommended to wear proper racing attire: Flame Retardant club-level Racing suit complying to minimum SFI 3.A/1 and/or EN533; **shoes and gloves required.**
- 6.3. Prohibited wear are **Shorts, slippers or open-toe shoes.**

7. ENGINE

- 7.1. Special Kei
 - Only 3-4 Cylinders 660cc, 850cc and 1000cc engines are allowed.
 - Only 660 cc may be Forced Induction.
 - 850cc and 1000cc must be Normally Aspirated.

8. TIRES

- 8.1. All categories, with the exceptions stated below, must run on street tyres with a UTQG (treadwear) rating higher than 120.
- 8.2. If the tyres fitted to your vehicle have a UTQG rating under or equal to 120 you may be refused entry entirely. These are street tyres that are not in the semi-slicks list below. Tyres with the markings "NOT FOR HIGHWAY USE" or "FOR COMPETITION USE ONLY" or similar, are not street tyres
- 8.3. **Special Kei**
 - Tires in size **155/70-12, 165/60-13, 165/55-14**
- 8.4. **Open, VTEC & Turbo**
 - Semi Slicks of any brand and sizes.
- 8.5. Below is the list of tyres defined as semi-slick tyres in SNF

Manufacturer	Tyre
Yokohama/Advan	A048R, AO50R
Bridgestone	RE540S, RE55, RE-11S
Dunlop	Formula R (D83J, D93J, D01J, DZ02G, DZ03G)
Federal	FZ201
Kumho	Ecsta V700, V70A
Michelin	Pilot Sport Cup, TB15
Pirelli	P Zero C, P Zero Corsa
Silverstone	FTZ Sport Tyre RR, S575, S585
Toyo	Proxes RA-1, Proxes R888, Trampio R881
Hankook	Ventus TD Z221
Nitto	NT01

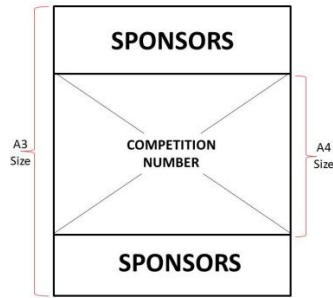
9. COMPETITION NUMBER & VEHICLE PRESENTATION.

- 9.1. Competitors are obliged to display the series competition number on the RIGHT & LEFT Front Door as supplied by the organiser. Refer to diagram 2013d.

Organised & Promoted by:



No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJU5
 Kota Damansara, 47810 Petaling Jaya, Malaysia
 FAX: +603 7886 01271



9.2. Competition number design may be of competitors own, subject to organisers approval.

9.3. Competitors are encouraged to use reflective or fluorescent stickers on their vehicle to maximise visibility.

Organised & Promoted by:

ignition.my

No 6A, Jalan Teknologi 3/5, Pusat Teknologi Sunsuria PJU5
Kota Damansara, 47810 Petaling Jaya, Malaysia
FAX: +603 7886 01271