

E. Modified Category

Modified Rear Wheel Drive (MR)

Modified Front Wheel Drive (MF)

Modified All Wheel Drive (MA)

Preparation Requirements:

GENERAL

- 1 Eligible vehicles must meet one of the two following requirements:
 - a. Eligible vehicles are defined in section 3.1.
 - b. Any eligible (per section 3.1) log booked car/truck currently legal for stage rally competition in other sanctioning bodies may run in its appropriate Modified class regardless of whether it meets the Modified rules.

SAFETY

- 2 Requirements of the safety section 3.2 must be met. (i.e this section includes seat belts, batteries and more.)

APPEARANCE

- 3 The shape of the body must remain recognizable as that of the manufacturer's make and model (not specific to sub-models and/or editions). For example a Subaru Impreza WRX STi must at least resemble a Subaru Impreza.
- 4 Defining features such as grilles, headlights, taillights, etc. or facsimiles thereof must be visually represented. Decals, stickers, outlines, paint, etc meet this requirement. Spoilers, wings, side skirts, etc. are not considered defining features.
- 5 Metal bumpers not integral to the body work (example classic VW Beetle) are not required to be present. Non-metallic bumpers/bumper covers integral to the body work must resemble the OEM shape.
- 6 External body openings caused by the removal of components must be fully covered with a wire mesh screen (maximum 1 square inch opening), fiberglass, metal, carbon fiber, and/or OEM type plastics.

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- 7 Structural strength of the passenger compartment as defined by vehicle pillars, frame rails, firewall, floorpan, and roof structure must not be reduced. All vehicle pillars must be present. Not including vehicle pillars, structure outside of the passenger compartment OEM firewall and center of opposing axle is not considered part of this requirement (i.e front engine cars: front firewall and behind center line of rear axle; rear/mid engine cars: rear firewall and in front of centerline of front axle) provided the modification(s) do not affect the passenger compartment.
- 8 Vehicle roof must be present and meet the following requirements:
 - a. Vehicle roof skin must retain OEM strength.
 - b. Vehicles with deleted sunroofs (replaced with new material) must meet or exceed the OEM roof skin strength of non-sunroof models.
 - c. Roll bar built to current SCCA Time Trials specifications or better is required if (a) and (b) are not met.

- d. Roof skin (if modified) must be made of mild steel (minimum thickness 18 gauge) or aluminum (minimum thickness: 0.065"). Other materials to be approved by the RXB.
- 9 T-top/targa top vehicles must retain OEM T-top/targa panels.
- 10 Convertibles require a hardtop that meets one of the two following requirements:
- a. OEM hardtop with OEM rear window.
 - b. A non-OEM hardtop of a type substantially similar to the shape, design, construction, and weight of the OEM hardtop if the vehicle is equipped with a roll bar built to current SCCA Time Trials specifications or better.
- 11 Vehicle driver door and passenger door (if passenger seat is present) must meet the following requirements:
- a. The driver door and passenger doors (if a passenger seat is present) must maintain sufficient functionality to allow safe ingress/egress.
 - b. Doors must utilize automotive hinges and automotive latches.
 - c. Doors must latch securely and door latch must be operable by a self-returning mechanism on both the inside and outside of the door.
 - d. Door latches must require deliberate movements to operate and not operate with inadvertent contact.
 - e. The anti-intrusion bars, window mechanism, and inner door skin are not required to be present.
 - f. Doors must have structural component(s) spanning between the A and B pillars of the door such that the door supports itself when open.
- 12 Windshield must be OEM glass (or equivalent) or may be replaced with minimum 3/16" clear polycarbonate (Lexan or equivalent) with addition of a full roll cage built to SCCA Time Trials Safety Rules Safety Level 3 or better.
- 13 Other windows flanking the driver (or passenger) must be OEM glass (or equivalent), minimum 1/16" clear polycarbonate (Lexan or equivalent), or removed. If removed see rule 3.2.D
- 14 Hoods, trunks, hatchbacks, quarter panels, roofs, front fascia, rear fascia, fenders, doors, and rocker panels may be modified or replaced but not removed. Vehicle must still meet the appearance rule *<<refer to rule 3-6>>*.
- 15 The exterior body panels must be constructed of materials such as steel, aluminum, fiberglass, carbon fiber, and OEM type plastics. Other materials must be approved by the RXB.
- 16 Modified exterior and interior components that the driver, passenger, crew, course worker, etc. may physically contact must be properly insulated/shielded to prevent injury.
- 17 Hoods, trunk lids, and rear hatches must be securely latched/fastened.
- 18 The driver's seat must be securely mounted to the structure of the vehicle and be installed per the seat manufacturer's requirements. A passenger seat is not required but if installed must also be securely mounted. Seats must be intended by their manufacturer for automotive use and appropriately sized for driver and passenger (if present).
- 19 The engine (including exhaust) must be shielded from the passenger compartment by a firewall. The original firewall must be retained regardless of engine location. Minimal modifications are allowed for installation of permitted components.

- 20 If present, aerodynamic devices, including wings, splitters, spoilers, and spats, and any such devices used must be securely mounted to the vehicle. Aerodynamic devices must be constructed of materials such as steel, aluminum, fiberglass, carbon fiber, and OEM type plastics. Other materials must be approved by the RXB.
- 21 Minimum track is 100% of the height of the vehicle as measured from the highest point of the vehicle. Track width is measured between the center of the front or rear tires. The track width will be the minimum of the two.

DRIVETRAIN

- 22 The vehicle must operate on a minimum of 4 wheels and tires.
- 23 Vehicle must be able to operate in forward and reverse.
- 24 Drive wheels must be powered by an internal combustion engine(s). Alternatively, production-based hybrid vehicles (e.g. Toyota Prius) and production-based electric vehicles (e.g. Nissan Leaf) are allowed, but electric power plant components (motors, controllers, batteries, etc.) and wiring must not be altered or modified.
- 25 Engine must not draw air from inside the cabin.
- 26 Exhaust must exit outside the body work, not interfere with or impair the driver during vehicle operation and vehicle egress, and comply with local noise ordinances.
- 27 Permitted fuel types are gasoline, ethanol, and diesel. Any non-stock fuel cell, filter or pump located in the passenger compartment must be shielded by a metal bulkhead. Any fuel lines running through the passenger compartment must be of metal, metal braided, or original OEM construction and securely fastened.
- 28 The fuel tank/cell/storage container must be not be pressurized. The fuel tank/cell/storage container vent must not allow fuel vapor into the passenger compartment.
- 29 The steering wheel must act on the front wheels by means of a mechanical linkage.
- 30 Brakes per 3.2.K.

UPDATES TO EXISTING RULES

- 3.2.N All batteries (onboard power supplies) shall be attached to ensure that the battery and/or power supply will remain in place. If a lead-acid (wet cell) type battery is relocated from its original location, it must be equipped with leak-proof caps and enclosed in a non-conductive, marine-type box. Dry cell batteries, commonly known as Recombinant Gas (RG) or Glass Mat Technology (GMT) batteries, are not required to be in a marine-type box. The hot terminal must be insulated on all vehicles. All batteries shall be securely attached to the primary structure of the vehicle. *All electrical cables, terminals, and switches must be securely fastened.*
- 3.3.B *For vehicles competing in the Stock and Prepared categories, all items that are not specifically allowed or referred to as unrestricted must be of manufacturer's specification. (Mandatory for all SCCA sanctioned RallyCross events. See Section 2.1)*