

## MISFIT TOYS CAR CLUB

### VEHICLE TECHNICAL CHECKLIST

**NOTE: CARS THAT DO NOT PASS THE VEHICLE TECH INSPECTION OR THAT CANNOT BE FIXED ON THE DAY OF THE EVENT WILL NOT BE ALLOWED ON THE TRACK. THERE ARE NO REFUNDS.**

- ALL DRIVERS AND PASSENGERS ARE REQUIRED TO WEAR HELMETS. HELMETS MUST BE  $\frac{3}{4}$  OR FULL FACE.
- DRIVERS AND PASSENGERS IN ROADSTER-TYPE VEHICLES, WHO ARE USING  $\frac{3}{4}$  HELMETS MUST ALSO HAVE EYE PROTECTION.
- It is HIGHLY RECOMMENDED that roadsters and convertible vehicles have a functional roll bar/cage installed.
- Tires must have half-life or more tread. No tires can be down to the wear indicators.
- Must have all lug nuts on each wheel and must remove hub caps during runs if equipped.
- Wheel bearings must have no play.
- Batteries must be mounted securely by mechanical fastener to the body or chassis.
- Overflow catch can on the radiator is mandatory.
- All hoses must be in good condition with no cracks, swelling, deterioration or leaks.
- Brake pedal must have good resistance and not go to the floor.
- All wheels must have working brakes of at least 50% of original thickness.
- Brake fluid must be full with no leaks.
  - MTCC highly recommends the use of DOT4 or DOT5 grade brake fluid. Doing so will aid in the prevention of "brake fade" due to excessive heat in performance driving conditions. It is necessary to drain all brake fluid from the system, refill with DOT4 or DOT5 brake fluid, and properly bleed the system. MTCC recommends that this be done by a qualified professional.
- Brake lights must be working at all times on the track.
- All blinker lights must be in place and functioning at all times on the track.
- Steering column must be tight and secured, no binding or looseness.
- Seats must be mounted secure to body or chassis.
- Seatbelts must be a minimum of a lap belt and secured to the body, bar, seat anchor bolt or frame. Any passenger riding must also have a seatbelt of the same caliber of the drivers.
- Gas cap or tank vent must not leak on the track and tank must be securely mounted.
- Fuel tank must be mounted in stock location or SFI/FIA fuel cell mounted securely.
- Throttle must have a return spring with no binding, excepting drive-by wire or other non-mechanical system.
- Driver's side and passenger windows must be in proper working order. Specifically, windows must be able to be rolled down.
- No leaks under vehicle.
- All loose items must be removed from the vehicle, including floor mats.
- All recording equipment (lap timer, video recording, etc.) whether inside or outside of the vehicle, must be properly secured.
- MTCC recommends the installation of an automotive-rated fire extinguisher. Fire extinguisher must be securely mounted in a position easily accessible to driver and passenger.