

Section 7

MINIMUM SPECIFICATIONS

Music City Motorplex will compete under the sanctions of NASCAR, INEX, MMRA and the Music City Motorplex. The specifications listed will become part of the Official NASCAR Whelen All American Series Rule Book, except in cases of obvious conflict, whereas the Music City Motorplex Rule Book will take precedent. All technical rules will generally fall within NASCAR and Music City Motorplex specifications. Any disputes will be resolved by Music City Motorplex and/or NASCAR officials.

1. GENERAL

- 1.1 At any time, before, during or after an event, officials may require additional measures or equipment or make determinations, as they deem necessary to further reduce the risk to competitors.
- 1.2 All cars are subject to a minimum specification inspection at any time.
- 1.3 It is the responsibility of the driver to prepare each car free of defects and in safe racing condition. Motorplex officials will be available prior to events for inspection
- 1.4 A quick release type approved safety belt of no less than three (3") inches in width is compulsory. Both ends must be fastened to roll bar cage with aircraft quality bolts not less than one-half (1/2") of an inch in diameter. A steel plate may be welded to the roll bar cage on the right side of the driver so the belt can be brought down in such a manner that it will prevent the driver from sliding from side to side under the belt. The belt must come from behind the driver. It is the responsibility of the driver, not Music City Motorplex, NASCAR or the promoter to insure that his/her seat belt restraint system and all of the components are approved, correctly installed, maintained and properly used
- 1.5 Approved padded headrest recommended. Shoulder harness inertia reel not allowed.
- 1.6 Head and neck restraining devices are highly recommended. (Mandatory if required by technical bulletin)
- 1.7 It is recommended that the center top of steering post be padded with at least two inches of resilient material
- 1.8 It is recommended that racecars have an approved fire extinguisher securely mounted within driver's reach.
- 1.9 Each pit crew should have a fire extinguisher in ready reach
- 1.10 Pressure type metal containers used as part of a fire extinguisher system will only be approved for installation and discharge in the driver's compartment in conjunction with the fire extinguisher system. The container cannot be concealed in any manner and there is a limit of one container of each fire extinguisher system. Recommended is Halon 1211 or equivalent.
- 1.11 Helmets should meet the specifications set forth in Title 49, Code of Federal Regulations, Part 571, and Federal Motor Vehicle Safety Standard Number 571.218 or SNELL specification minimums.
- 1.12 Driver's seat must be fastened securely and located a minimum of eight (8) inches from the inside of the closest driver's door bar.
- 1.13 Rib supports are highly recommended.
- 1.14 No fiberglass seats.
- 1.15 Flame-retardant gloves are mandatory in NASCAR divisions. warning for 1st violation, \$50.00 for 2nd violation, suspension for third violation
- 1.16 Window nets are required and must be used at all times. "Quick release" method of mounting is mandatory.
- 1.17 Window net must be full size (minimum size 22 1/2" x 15"), ribbon or mesh type.
- 1.18 Window net must fall down when released.
- 1.19 Drivers must be protected at all times with a recommended flame resistant driving suit or undergarments.
- 1.20 No driver shall compete in any event with head or arm extended outside of a closed body race car.
- 1.21 No riders on the outside of race car at any time.
- 1.22 Recommended Individual Personal Protection
 - On board fire system with 2 nozzles
 - Nomex driving shoes & socks
 - Hans or Hucthens type device
 - Neck collar
 - Full face helmet
 - Racing seat head rest
 - High density roll bar padding
 - Collapsible steering column and collapsible steering wheel
 - Cage "helmet" net

2. BATTERY MOUNTING AND MASTER CONTROL SWITCH

- 2.1 Batteries must be securely mounted and covered in steel.
- 2.2 Batteries must be located within the frame rails and forward of rear axle (unless specified in division rules)
- 2.3 Master on-off switch required on groundside, located in center of car, within reach from outside driver's door and be clearly marked

3. FUEL REQUIREMENTS

- 3.1 Applicable additional information in NASCAR Whelen All American Series rulebook.
- 3.2 Fuel cells must be separated from the driver's compartment by a full, complete metal firewall.
- 3.3 Fuel cells must be securely mounted between the frame rails and behind the rear end.
- 3.4 Fuel cell must be adequately protected from behind and below by a triangularly braced fuel tank guard. A minimum of two (2) 1 1/2" x 1/8" straps under & over fuel cell.

- 3.5 Cell must be protected with a minimum 22 gauge steel plates on rear, left and right sides
- 3.6 "Vent tube" must exit out the rear of the car.
- 3.7 Fuel cell must meet minimum specs of an outside 18 gauge steel canister, liner of plastic or suitable rubber, sponge baffles, bolttable filler plate assembly with operable check valves.
- 3.8 Maximum capacity of fuel tank: 22 gallon.
- 3.9 Lowest point of the fuel tank and assembly must be minimum of 8". (see division rules)
- 3.10 Non dry-coupling systems fuel filler may not be mounted to body.
- 3.11 No electric fuel pumps.
- 3.12 No pressure fuel systems.
- 3.13 Absolutely no use of nitrous oxide or NO2 injectors allowed.
- 3.14 Gasoline only as a fuel.
- 3.15 Fuel specifications violations will result in a cash fine of \$500.00 maximum, suspension and /or disqualification.
- 3.16 Only fuels purchased through Music City Motorplex are allowed for competition, receipts may be required.

4. CAR APPEARANCE AND LETTERING

- 4.1 Professional lettering and painting are required.
- 4.2 All race cars must be neat appearing with a good paint job.
- 4.3 Only single or double-digit numbers will be permitted. (EIRI)
- 4.4 The size, color, and style of numbers must permit prompt identification by Track Officials at all times.
- 4.5 Numbers at least 22 inches high, measured vertically, excluding borders and silhouettes must be neatly attached to or painted on both sides of the car on the center of the door in a contrasting color.
- 4.6 Door numbers must be a minimum of 4" in width, and slant no more than 30 degrees from vertical. The tops and bottoms of all numbers must be even (not staggered). Two digit numbers must not overlap.
- 4.7 A number 36" high, excluding borders and silhouettes, must be neatly attached to or painted on the roof, reading from the scoring tower side.
- 4.8 Gold, silver, or foil number decals are permitted, but must be readily visible from scoring location.
- 4.9 Numbers that can't be seen or read – will not be scored.
- 4.10 Series decal locations are mandatory as shown by technical bulletin.
- 4.11 All purse moneys will be forfeited if car does not comply with all decal and patch locations.
- 4.12 The hood must be in place for start of all events
- 4.13 Bars or pipes may not be attached, welded or fastened to the exterior of the car (EIRI see division rules).

Decals and Advertising

- 4.14 The upper four (4") inches of the windshield are reserved for division sponsor identification.
- 4.15 NASCAR and/or MCM may refuse to permit, or it may restrict or assign the size or placement of decals, identification, and advertising of any kind on a car for any reason. All NASCAR Members agree to accept NASCAR's and/or Track Official's decision in this regard.
- 4.16 NASCAR and /or MCM may refuse to permit a Competitor to participate in a sanctioned event if NASCAR determines that any advertising, sponsorship or similar agreement to which the Competitor is detrimental to the sport, to NASCAR, or to the Promoter for any reason, including without limitation, the public image of the sport.
- 4.17 NASCAR divisions only: Decals, advertising logos, text or identification of sponsors must not be placed on the front of each door and/or each front fender (between the front of the car and the front of the door) other than (a) decals of series sponsors, (b) decals of NASCAR contingency program sponsors, or (c) such other decals, advertising or identification as NASCAR may in its sole discretion permit or require.

5. MUFFLERS

- 5.1 All competing cars must meet a maximum of 100 decibels at 100 feet. No Exceptions.
- 5.2 Some divisions may be required to run mufflers by technical bulletin

6. WEIGHT

- 6.1 All weight measurements will be made with the driver sitting in the driver's seat, steering wheel in place, hands on steering wheel and helmet on drivers head with tires inflated to manufacturer's minimum "cold" or "starting" pressures
- 6.2 All "added" weight must be mounted to frame or uni-body structure. Weight must be securely bolted or inside weight boxes
- 6.3 Weight may not be added to the outside of the frame rails or ahead of the front spindles or inside the driver's compartment.
- 6.4 Do not mount to firewall, floor pan, or within driver's compartment.
- 6.5 Minimum weight units - 5 lb.
- 6.6 All ballast weight must be painted fluorescent color or white and legibly numbered to car (EIRI). \$50 fine for failure to comply.
- 6.7 Any loss of weight from any car for any reason will result in a cash fine of \$100.00
- 6.8 Ballast weight must meet 10" ground clearance behind rear axle.
- 6.9 Weight determined by the official Music City Motorplex scales only.

7. MATERIALS

- 7.1 No carbon fiber components or coated products allowed on performance enhancing parts

8. MISCELLANEOUS

- 8.1 Any competitor, crew member or car owner using any type of traction control device will be banned from all competition for a period not less than 5 years.
- 8.2 Any and all types of data acquisition devices are prohibited during race day events.
- 8.3 Any competitor, crew member or car owner who has been fined for any type of rule infraction, will not be allowed in any competition restricted area until fine is paid. This includes all track-sanctioned events, non-sanctioned events, special and tour events, Tune & Test events or private track rentals.

- 8.4 Any driver using any device which is intended to deceive officials or other drivers will be subject to the following penalties: forfeiture of all points, money and trophies earned in event, suspension from events for 14 calendar days and a \$400 cash fine.
- 8.5 Two-way radios mandatory in the NASCAR Late Model and Super Trucks. Spotters must be checked into spotter stand prior to event.
- 8.6 Scanners and/or race receivers are mandatory in GNS.
- 8.7 Only one center-mount inside mirror. No outside mirrors except left "spot" mirror allowed, however it cannot be mounted outside. (Late Model, Super Truck, GN Sportsman only).
- 8.8 A four-panel maximum wink mirror allowed.
- 8.9 No truck type mirrors.
- 8.10 Rookie drivers must display indication of such and must declare rookie status with Motorplex Management before entering a racing event.
- 8.11 All tires used in racing events must be purchased through the Music City Motorplex tire barn.
- 8.12 Any and all parts are subject to MCM technical procedures and approval. MCM is not required to follow any other sanctioning bodies or manufactures guidelines in inspecting any part(s).