

Technical Inspection checklist for Cars (except LSA Division) - MKM Racing Mojave Mile Shootout 9/25-26/2010

Here is a checklist of items that may be checked at Tech. Use it as a guide to prepare your car. This is not the official MKM Tech Inspection form.

This list may not cover every possibility. The Mojave Mile Rule Book is the official authority. **This list does not apply to Land Speed (LSA) division cars.**

revised 7/1/10	* = exceptions may exist in the rule book	2.1.1	S4 Division (continued)
General Minimum Requirements for all cars:			Car must be STOCK and UNMODIFIED except as stated below:
required stickers/numbers in place prior to tech inspection			>>Cat-back street legal exhaust replacement allowed if using stock mounts
Vehicle in good condition, no obvious leaks or loose parts			>>Air filter element can be replaced but must be in unmod. stock housing
Vehicle ready to race with all equipment present incl. cameras			>>replacement shocks and brake pads allowed if stock size and mounting
Battery bolted down; if moved from stock, vented box req. unless AGM/Optima type			>>cosmetic-only changes are OK
No loose items in passenger compartment			Engine and drivetrain must be STOCK, not even a computer tune
All drivers for vehicle present at tech, with safety gear			NO power adders, no add-ons, no pulley changes, etc.
4 wheel hydraulic brakes, adequate pad/lining depth			All OEM emission and safety equipment MUST be present and operational
Functional suspension and shock exist for each wheel			OEM 3 point seat belts ONLY*; No racing harnesses*, No 4 point belts
No suspension or chassis part may hang lower than the wheel rim			NO aero or body mods unless OEM for that car
Minimum track width 48 in.; minimum wheelbase 80 in.			Must be EXACT stock-original-size tires/wheels NO OVERSIZE WHEELS!
Convertibles must have rollover protection behind the driver, no exceptions			Original tire speed rating must be Z or higher; replacements must also be Z
If no side window, window net or arm restraints required			2.5 lb min. BC extinguisher/metal bracket required
Harnesses in good shape; OEM < 10 yrs old; race < 5 yrs. old			Level 2 clothing and helmet as follows:
General tire/wheel requirements for all cars:			>>full face SA2000+ racing helmet with visor, NO motorcycle helmets
No tubes or tube-type tires unless MKM-approved			>>SFI 3-2A/1 single layer suit with nomex undies, or dual layer suit, NO proban
If DOT, must be radial. No mixing of bias/radial types			>>nomex racing gloves, nomex racing shoes and socks
If DOT, must meet Load Rating rule			>>padded helmet support (horse collar) or head-and-neck restraint
If not DOT, tires must be approved by MKM			Z tires min. Tech speeds are: Z,W=175 MPH; Y or (Y)=190 MPH
No Drag Race tires allowed except DOT Drag Radials			SS Division (in addition to general requirements)
Must be less than 6 years old - oldest allowed date code will be 3804			Two power adders max.
Tire section width 185mm/7.25 in. min. (unless OEM is less)			up to 117 motor octane pump or race gas, or diesel or E85 if needed
Tire diameter 30 in. or less (33 in. for 3/4 ton and up trucks)			Driveshaft safety loop, if applicable
Tires must match side-to-side			4 wheel disc brakes, with fronts at least 10 in., unless exempted or chute
Directional/asymmetrical tires: correct rotation, correct side of car			Any wheels over 18 in. dia. must be OEM or race-approved
Inflated to at least spec-sticker pressure, 28 PSI minimum			Level 2 safety equipment as follows:
Metal valve stem caps required			>>full face SA2000+ racing helmet with visor, NO motorcycle helmets
Highway, smooth, or all season tread only, no heavy treads			>>SFI 3-2A/1 single layer suit with nomex undies, or dual layer suit, NO proban
Tread depth 1/16 min., no cords showing			>>nomex racing gloves, plus nomex racing shoes and socks
no sidewall cracks, tread damage, repairs; no rubbing			>>padded helmet support (horse collar) or head-and-neck restraint
Hub caps/wheel covers/beauty rings removed unless bolted on			>>arm restraints (mandatory)
Wheels at least 6 inches wide (unless OEM is less)			>>5+ point racing harness, no Y or V type shoulder belts, no 4 point belts
Wheels 20 inch dia. Max. (unless OEM or racing approved)			>>Roll bar per Appendix B, or approved exemption
Lug nuts torqued, must meet Lug Nut rule, see rule book			>>2.5 lb min. BC extinguisher/metal bracket
General fuel equipment requirements for all cars:			Z tires min. Tech speeds: Z,W=175 MPH; Y=190 MPH; (Y) or DOT race radial=205 MPH
If electric fuel pump, must shut off with master switch/key			Unlimited Division (in addition to general requirements)
Fuel Tank, physical barrier rule for hatchbacks, see rule book			all drivers must hold an MKM Sportsman or higher license
If Nitrous, system installed, plumbed, and wired properly			Three power adders max., 2 nitrous stages max.
If Nitrous, tank(s) mounted with real brackets, no hose clamps etc.			up to 117 motor octane pump or race gas, or diesel or E85 if needed
If Nitrous, one 20-lb. or two 10-lb tanks max., vented outside			driveshaft safety loop, if applicable
GT Division (in addition to general requirements)			4 wheel disc brakes, with fronts at least 10 in., unless exempted or chute
One non-OEM power adder allowed; nitrous limited to a "125 shot"			All wheels must be approved for racing speeds
up to 117 motor octane pump or race gas, or diesel or E85 if needed			Level 3 safety equipment as follows:
Level 1 safety gear as follows: (no DOT-only helmets!)			>>full face SA2000+ racing helmet with visor and head sock , NO moto. helmets
>>open or full face helmet; SA2000+, or motorcycle helmet w/head sock			>>SFI 3-2A/5 suit with nomex underwear, or SFI 3-2A/10 suit, NO proban
>>full face helmet required if car has no windshield			>>DUAL LAYER nomex racing gloves, plus nomex racing shoes and socks
>>shatterproof eye protection			>>>true racing seat bolted to frame or cage, no "plastic" seats
>>Non-synthetic full coverage clothing; leather gloves/shoes, no holes			>>Head and Neck restraint system and arm restraints (mandatory)
>>2.5 lb BC extinguisher/metal bracket			>>5+ point racing harness, no Y or V type shoulder belts, no 4 point belts
>>3 point factory belts minimum; no 4 point belts!			>>roll cage per Appendix C
S rated tires minimum. Tech speeds: S tire = 115 MPH; T or U tire = 125 MPH;			>>foam-filled bladder racing fuel cell in metal shell with rollover shut-off
H tire = 135 MPH; V tire = 155 MPH; Z or higher tire = 165 MPH			>>5 lb fire suppression system
S4 Division (in addition to general requirements)			Parachute required above 220 unless exempted (always required above 260)
This division is limited to rare/expensive/exotic - Ferrari, Lambo, etc.			Tire tread depth 6/32 inch maximum (standard (Y) tires must be shaved*)
Must be currently licensed, registered, and insured in US or Canada			Min. ratings/Tech speeds: shaved (Y) radial or approved DOT race radial = 220 MPH
1990 or newer, US certified model, by certified new vehicle mfr.			MKM-approved NASCAR or Road Race slicks = 260 MPH
Unleaded pump gas, 100 pump octane max., or E85 or Diesel			(beyond 260 requires certified high speed tires and specific pre-approval of MKM)
DOT tire spec sticker must be present (door jamb/glove box)			