



Tennessee's Family Action Track

Challengers

BODIES

- Any front wheel drive car with 4-cylinder engine.
- Must remove all glass and interior. Must leave windshield or replace with LEXAN. No Plexiglas.
- Must remove all headlights, taillights, hubcaps and loose trim.
- All doors must be welded shut.
- Must run a full cage. May have rear down bars. May run front hoop with two down bars only, hoop bars may come into the main cage. You may also run a steel plate 6 inches wide, ½ inch thick down left side extending 1 foot past front door post and 1 foot past rear door post if you would like. Must be welded or bolted with no less than four ½ inch bolts.
- May run nerf bars and skirts.
- Must have seatbelts and shoulder harness minimum 3 inches wide must be no more than 5 years old. Must be safely secured to the floor of car. No chains run through the floorboard. Mount your seatbelt to whatever you mount your seat to. Do not bolt through seatbelt fabric, use steel piece that comes with seatbelt.
- If battery is mounted inside the drivers' compartment; battery must be in an enclosed container.
- Must remove hood latch and replace with two hood pins. Hood hinges must remain. Must remove deck lock and replace with two hood pins.
- All persons must have fire suits and approved SA 2000 or newer helmet. (See safety page in front of book)
- May remove heater core and air conditioner core, but must cover hole with metal. NO anti-freeze in radiator. \$100 penalty if caught using anti-freeze.
- No outside mirrors.
- If replacing body panels, they must be the same or thicker than what was originally on the car.
- 6" maximum spoiler height.

SUSPENSION

- All suspension parts must be stock. Stock shocks. Springs optional. Minimum 6 inch ground clearance.
- May remove sway bar.
- Spring adjusters are allowed.
- No Steel bushings.
- Rear end must be square in chassis.

- Front camber is no more than 10 deg; Rear cambered is no more than 2 inches checked with a framing square w/zero toe.
- No more than 1" difference on wheel base left to right.

ENGINE

- Absolutely NO engine modifications. All air MUST pass through carburetor or throttle body. Engines will remain stock for that car. No swapping of engine in different cars.
- No more .30 over bore on engines.
- Must put engine size on hood.
- Fuel injected or carbureted. No turbos or superchargers.
- May run header. Exhaust must exit outside of car past driver.
- Must run Highland Rim Speedway fuel. No fuel additives allowed. 10" min. ground clearance on fuel cell with a fuel cell bar.
- May run aftermarket computers.

MUFFLERS MANDATORY

100 dba will be enforced. The first week dba is not 100; car will start in the rear. The second time dba is not 100 car will not be allowed to race in the event.

TRANSMISSION

- Automatic or standard shift.
- Must run stock clutch, pressure plate, no aluminum flywheels and/or lighten of steel flywheels.

TIRES AND WHEELS

- Must run 15" Towel City Recap track tire w/stamp.
- May run aftermarket seven (7) or (8) inch wheels with a maximum offset of 1 inch. You must run all 15x7 or 15x8, NO MISMATCHING. No wheel spacers are allowed.

WEIGHT

- 2,000 lbs. for all cars with a maximum of 55% left side weight with the driver.
- Any cars with an unfair advantage will be adjusted with weight at the discretion of the Competition Director.
- All weight must be mounted inside drivers' compartment. All weights are to be painted white with the car # painted on each piece. Any driver that loses any lead from his car will be fined \$250 payable prior to any further competition. This rule is in effect during race day or practice day.
- After third win weight may be added, then for every win that car has, additional weight may be added.