



2024

OFFICIAL RULES & REGULATIONS MINI STOCK

All cars **MUST** be equipped with a working RACEceiver-type, one-way scanner unit and a working MYLAPS/AMB timing transponder.

VEHICLES BE MUST BE COMPLETELY STOCK IN ALL ASPECTS UNLESS OTHERWISE STATED

Airborne Park Speedway
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Section 1. Chassis

1. 1978 to current-year Domestic or Import 4-cylinder production cars or trucks. Maximum 106" wheelbase. No wagons, all-wheel-drive (AWD) conversions, or sports cars. Compact pickup trucks with 4cyl engines allowed. (Examples: Chevrolet S-10, Ford Ranger, Mazda B-Series etc..)
2. Body must be complete and original.
3. Minimum 4-point roll cage with minimum 1- $\frac{3}{4}$ " x .095" wall round tubing. No iron pipes. No square tubing. Must be safely welded to floor of car, preferably to a flat plate that is welded and bolted to the floor. Roll cage will be inspected and any unapproved or unsafe welds will be fixed before being allowed to compete. Mandatory 1/8" plates are required on the two (2) lowest driver-side door bars.
4. Reinforcement of any chassis or suspension components for a performance gain is not allowed.
5. The roll cage is intended to protect the driver in the event of an accident – NOT to stiffen or reinforce the chassis. Front and rear hoops may be added to the main cage for safety. No butt-welding of any two pipes – must have a sleeve pipe inserted between two connecting pipes. Tech officials have the right to remove any unsafe or performance enhancing tubes prior to competing.
6. Front and rear springs and struts must be stock and remain in stock location and configuration.
7. All chassis and suspension must remain stock only.
8. No unapproved hub swaps allowed. Hubs and bearings must be stock for year, make, and model, except the right-front and right-rear may have an approved safety hub.
9. No mismatching of factory springs. Coil count and wire diameter must match from left to right and be OEM size.

Section 2. Engine

1. Maximum four (4) cylinder, single or dual cam configuration allowed.
2. Variable valve timing allowed.
3. No Honda I-VTEC engines allowed. (Will be testing in spring of 2024)
4. Maximum four (4) valves per cylinder (total 16).
5. No modifications to engine other than removing power steering and/or air conditioning.
6. Factory diagnostic link connector (OBD) must stay in place and be able to connect to ECM.
7. Must have belt-driven alternator.
8. Engine must be stock for year, make and model or approved by technical inspectors prior to competing.
9. OEM bore, stroke, and displacement only. No boring allowed. No resurfacing to any engine component. No valve surfacing of any sort. Factory valve size and number of valve angle faces must remain stock.
10. ECU (computer) modules may be altered. Tunes must be loaded to OEM or connect to OBD II port only.
11. Factory exhaust size only for year, make, and model. Maximum of 2- $\frac{1}{4}$ " OD exhaust allowed. Must exit towards the ground behind driver.

Section 3. Fuel

1. Factory fuel pressure only. No external aftermarket gauges or regulators. Engines with electronic fuel pumps must have clearly visible power supply shut-off. A low oil pressure switch (such as Longacre Part No. 43600) is mandatory.
2. Unleaded pump Fuel only. No racing fuel or fuel additives allowed.
3. Stock fuel tanks must be mounted in front of rear axle and must be attached by four (4) straps – two (2) factory straps and two (2) additional straps.
4. Fuel cell allowed. Must be securely mounted in the trunk only. Must be approved by technical inspectors and/or Airborne Park Speedway management. Vent must be outside cockpit with a rollover valve.

Section 4. Wheels

1. Safety wheels or racing wheels allowed on all four corners. Backspace must be 3" minimum. No wheels to exceed 7" wide. Rim size must match on all four corners. Right-front must be safety wheel or racing wheel.
2. Stock wheels must measure the same diameter and match stock wheel specs and offsets, and must be approved by technical inspectors and/or Airborne Park Speedway management.
3. One-inch (1") lug nuts are mandatory on all studs for all four wheels at all times.

Section 5. Tires

1. DOT tires only. Must be 60, 65, or 70 series only with minimum 360 treadwear. Tire sizes may be mixed. Maximum \$95 retail price per tire. No all-terrain, mud, or snow tires. Tires with snowflakes not permitted.
2. No tire treatments, chemicals, or other alterations allowed. Tires will be checked.
3. No high-performance tires. Determination will be made solely by technical inspectors and/or Airborne Park Speedway management.
4. Minimum race-ready air pressure allowed in BOTH FRONT TIRES is 35 psi.
5. Maximum 1" camber allowed on right-front and right-rear only. No tolerance and no exceptions. Camber must be achieved in a safe manner with minimum Grade 8 hardware. Technical inspector discretion will be used.

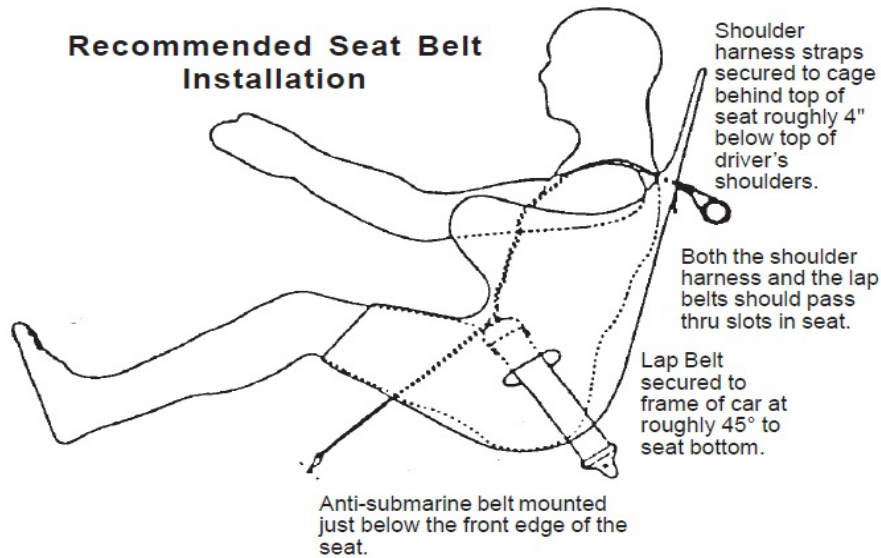


Section 6. Body

1. The windshield must be removed and replaced with maximum one-inch (1") heavy-gauge screen. The screen must provide full coverage of windshield opening. Screen must be reinforced with two (2) vertical bars connecting top of roll cage to top dash.
2. Factory air box must be in their original location. No holes larger than 3/4" in housing cover. Cone-type air cleaners are allowed with factory air intake tubes only. No aluminum tubes. Must stay under hood area.
3. Stock bumpers must be in place and have a chain or strap for towing and safety purposes. Rubber front bumper covers allowed. No tube bumpers or reinforcements of any sort. Must be mounted over stock bumpers.
4. All interior upholstery, fabric, plastic, and chrome must be removed.
5. All doors must be welded, bolted or chained shut.
6. Must have at least one (1) tow hook on both front and rear of car
7. No mirrors allowed.

Section 7. Safety

1. Window net mandatory on driver's side. Window net must be in good condition and will be inspected. Must be mounted on 3/8" steel rod, top and bottom, attached at top by a quick-release or seatbelt latch-type device.
2. Must have aluminum racing seat. Must be mounted with a minimum of five (5) 3/8" Grade 5 bolts. Seat must be mounted to roll cage – NOT the floor.
3. Approved quick-release racing seat belts required. Must be a five-point harness. No older than three years from production date stamp. SEE DIAGRAM.
4. Snell approved 2010 or 2015 helmet mandatory. Must fit properly.
5. Fire suit and fireproof gloves are mandatory. Fire suit must meet minimum SFI (3.2A 1) specification and display a valid SFI 3.2A 1 tag. Gloves must be SFI 3.3 /1 with valid tag.
6. A fully charged fire extinguisher with working gauge required and mounted in middle of car on drivers right side with quick release. (no taping)
7. All roll bars within reach of driver must be padded with foam padding.



Section 8. Weight

1. Management reserves the right to add or remove weight and / or change percentages on any car at any time in interest of parity. Officials will dictate where the added weight will be located on car.
2. Starting weight will be as follows and may be adjusted after preseason practice sessions in interest of parity:

<u>Engine / Car Type</u>	<u>Minimum Total</u>
Single Cam	2,200 lbs.
Dual Cam	2,400 lbs.

3. No Minimum or maximum left side weight percentages in 2024.
4. All added ballast must be made of lead – no other materials permitted.
5. Ballast must be painted white with car numbers highly visible in black. Ballast must be 5lbs, minimum, bolted securely to unibody / frame rails and in plain view. All ballast must be located ahead of centerline of rear axle and above or inside unibody / frame rails. No ballast may be hung under floor.

Section 9. Transponder

1. Working MYLAPS/AMB brand scoring transponder is mandatory with valid subscription. Transponder location will be 16" from centerline of transponder to center of rear axle on the right side of the vehicle, and no more than 12" from ground.

**IF QUESTIONS, CONTACT:
 Mike Bruno, Promoter – (802) 236-9141 – Text Message Preferred
 ALL RULES SUBJECT TO CHANGE WITH OR WITHOUT NOTICE. "EIRI" 12/20/2024
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