



2021 SYDNEY SPEEDWAY

MINI STOCK RULES

Last Updated (March 23, 2021)

APPROVED MODELS

- 1.0** Any 1988-2005 honda civic SOHC non V-TEC

ENGINE AND DRIVETRAIN

- 2.0** Maximum compression will be 215psi average per cylinder. A tolerance of up to 5 psi will be allowed
- 2.1** Piston bore must be stock for engine code with a maximum 30 thousand over for cylinder truing, no over sized pistons allowed.
- 2.2** No Porting or Polishing allowed. No Lightweight engine parts, grinding or lightening of engine or transmission parts. No performance parts. Must use stock OEM parts from approved models.
- 2.3** Camshaft & Head must be OEM to engine code, no performance or modified camshafts allowed. No camshaft can exceed factory tolerances.
- 2.4** Vaccum must be no less 17 inches at idle. ***NO VACCUM PUMPS***

- 2.5 Stock intake and exhaust manifolds only, no headers. stock filter and intake tubes are required, no cone or K&N filters permitted. Exhaust manifolds must be stock 4 into 1 or stock 4/2 into 1. The throttle body must be stock to the engine. OEM size injectors for engine year and model. No oversized injectors allowed.
- 2.6 No chipped, tuned, modified, reprogrammed or performance ECU'S.
- 2.7 All transmissions must be stock gears, final drives only. Stock Gear ratios may be swapped to suit team preference. Transmission must function as if they were stock. 4 speed requires 4 gears plus reverse, 5 speed require 5 gears plus reverse. No exceptions.
- 2.8 Posi-Trac, limited-slip, lock-up differentials, spools and or welding of differentials is not permitted.
- 2.9 Stock flywheels only flywheels must weigh 18lbs
- 2.10 Radiators must fit within stock radiator supports.
- 2.11 Engine must sit in its stock chassis location.
- 2.12 No restamping engine codes.

WEIGHT

- 3.0 Cars will be weighed with the driver in the vehicle and with all safety equipment on.
- 3.1 Cars must meet minimum weight as they leave the track. No adding fuel or weight of any kind.
- 3.2 Maximum left side weight is 55% except for all 88-91 Honda which is 54%.

JDM d15b d16a or zc will weigh 2250 lbs

D15b2 d15b7 d16y7 must weigh 2150 lbs

If engine exceeds 200 psi you will be required to weigh 2250

EXHAUST

- 4.0 Single exhaust pipe with a maximum 2.5" diameter, following the stock pattern, must be attached to the stock manifold and remain the same size until it exits. Exhaust must point away from the fuel tank and extend a minimum of 2.5 ft from the driver.

FUEL

- 5.0** No racing fuel allowed. The maximum octane level for any fuel will be 91. Fuel must pass gravity & color testing.

STEERING AND SUSPENSION

- 6.0** All steering components remain stock for vehicles and be replaced with OEM replacement parts. No performance parts or modifications. Adjustable upper ball joints are ok, adjustable upper control arm/bushings are permitted but must be welded in place.
- 6.1** All four struts must remain stock for the vehicle, no adjustable, shortened or racing struts allowed. A coil override height adjustment sleeve will be permitted with any oem honda spring. No aftermarket lowering or performance springs allowed over stock strut to set ride height. No spring rubbers allowed, stock replacement bump stops only.
- 6.2** Springs may be modified to achieve ride height but must fit safely into both upper and lower spring perch.
- 6.3** Sway bars and sway bar end links must be bolted in stock location.
- 6.4** Wheel spacers are not permitted.
- 6.5** Wheelbase must remain stock, a 1/2" tolerance side to side will be in effect..
- 6.6** Cars must have four working brakes, disc brakes allowed, no brake bias allowed.
- 6.7** Camber on all four wheels can be adjusted to driver/teams desire

HELMET AND APPAREL

- 7.0** Fireproof drivers suit, gloves, and shoes are required, Nomex suit is recommended. The driver and suit must maintain a clean looking appearance. Drivers must have an approved SFI head & neck restraint.
- 7.1** Full face helmets are mandatory and must not be older than 2010 and must be SNELL SA or SAH helmets. No DOT or M. A listen-only radio device is required for all (Tour) events and practices.
- 7.2** No two-way communication is allowed.

- 7.3** All safety equipment and radio must be in use during all practice and race events until the car is parked in the pit area.

BELTS AND HARNESS

- 8.0** All cars must be equipped with a quick-release type, 5 point harness that must be dated within 5 years of the current race season with a minimum 3" lap belt and shoulder harness of 3", properly affixed to the floor, roll cage or chassis with grade 8 bolts, no less than ½" in diameter. No riveting or tying of belts

DRIVER AREA/INTERIOR

- 9.0** Gearshift, pedals and stock steering shaft must remain. Roof insulation, floor covering, and seats must be removed.
- 9.1** Cars are permitted a removable steering wheel to allow entry and exit to the seat.
- 9.2** Aftermarket oil pressure and heat gauges are permitted.
- 9.3** A kill switch must be installed in the center of the dash. This "kill switch" when turned to off the position must shut the engine and fuel supply off.

FIRE CONTROL

- 10.0** Cars must have a 2 ½ lbs. fire extinguisher with either a steel or aluminum head mounted in a steel mounting bracket and must be bolted down within the reach of the driver when belts are fastened.
- 10.1** Extinguishers must be serviced and inspected each year and dated no later than January 1st of the current year and or have an unbroken seal.

SEAT

- 11.0** Aluminum racing seats are mandatory and must be attached to the roll cage with a minimum of four 3/8" grade 8 bolts with large washers to hold the seat into the framework, minimum 2 bolts on the seat back and two bolts on the seat bottom. Full containment seats and or headrests are recommended.

WINDOW NET

- 12.0** SFI Rated drivers side window net is mandatory and must be dated within 5 years of the current race season. Either mesh or ribbon netting is ok, must have a minimum 3/8 rod, and must have a properly mounted, topside quick release. Quick-release must be visibly marked with an arrow or bright color in case of an emergency.

ROLL CAGE

- 13.0** A four-point roll cage consisting of 1.66" diameter .095 wall thickness roll bars is mandatory.
- 13.1** The roll cage shall consist of four vertical upright bars connected at the top on all sides.
- 13.2** A shoulder height crossbar must support the rear vertical uprights.
- 13.3** Three horizontal bars are required on the left side door area and two on the right side. (These are minimum numbers).
- 13.4** The driver's side door bar openings must be filled in with 1/8" steel plate. Bars may be mounted to the rear edge of the top halo and extend to the rear strut towers and may be extended to the rear of the car. 1/8th steel plates or other approved method must be used to mount to the cage to the body.
- 13.5** Roll cage must run the full width of the frame, rocker panel to rocker panel. No side to side front strut bracing

ROLL CAGE EXAMPLE!



BODY/BUMPERS

- 14.0** The body must be stock appearing and in-stock position on the sub frame/frame.
- 14.1** All chrome moldings, ornaments, door handles, glass, lights or other accessory plastic components must be removed (grill and the front windshield can remain).
- 14.2** Rear pillar and the rear window may be replaced with lexan.
- 14.3** All doors must be welded and or bolted shut.
- 14.4** Hood and bumper covers do not require to be stock for the vehicle but must be mounted in stock locations. Bumper covers need to be securely attached to body panels. Fenders need to be stock.
- 14.5** Rub rails are permitted must extend no further forward than the rear of the front wheel opening, and no further rearward than the front of the rear wheel opening, and must be flat to the doors. Rails must be a maximum 1 ¼" X 1 ¼" bar welded or bolted to roll cage.
- 14.6** No sharp edges. You must use carriage bolts (or round-headed bolts) or be welded securely to the body.
- 14.7** Battery must be securely mounted under the hood of the vehicle, battery will only be permitted in the interior of the vehicle if it is dry cell, mounted securely to the floor with a minimum of 1/8th plate with a minimum of four grade 8 bolts, battery must be contained in a steel box and cables must be securely placed until exiting through the firewall, firewall access port must have a properly insulated grommet to prevent chafing.
- 14.8** Hood latches must be removed and a minimum of two hood pins must be used.

PAINT AND LETTERING

- 15.0** Numbers must be on both sides of the car and on the roof (facing toward grandstands) in large (minimum 18") letters in a color that clearly contrasts the paint job of the car,
- 15.1** No silver or reflective numbers allowed.
- 15.2** A 4" number is required on the right upper corner of the windshield and right rear on the body (to be read by the driver behind for lineup/restart purposes).

No vulgar words, images or expressions will be permitted.

TIRES AND WHEELS

- 16.0** Any P series tire no lower than 60 series. All tires must be DOT approved tread wear must be above 300. Used INEX Legends Car Federal tires will be permitted also as an affordable tire option (No Hoosiers).
- 16.1** Stock passenger unmodified steel wheels only. Maximum sizes, 13×5.5, 14×6.0 or 15×6.0 16×6.5 only. Racing rims will be allowed for the right sides only.
- 16.2** Teams must use a 13×7,14×7 or 15×7 16x 7 steel racing wheel with a 4in backspace with no exceptions . Wheels will be measured to ensure proper size.
- 16.3** Aftermarket 1in wheel nuts are mandatory on all four wheels of the car.
- 16.4** No chemical treating/softening tires. All tires will be subject to durometer testing.
- 16.5** Durometer readings under 65 at anytime will lead to penalties/suspension. All 4 tires must be the same size on the car.
- 16.6** Teams will not mix tire sizes to achieve stagger. When using race wheels cars must always be equipped with two. If a flat tire occurs during the race whatever wheel is removed has to be replaced with a like wheel.

No swapping stock wheels with race wheels.

FUEL TANK

- 17.0** A safety chain must be installed under the tank running front to back to catch the tank in case the original straps break, A skid plate covering the entire tank is recommended.
- 17.1** A proper fuel cell (maximum 10 gallons) with a stock fuel pump will be allowed if securely installed with metal straps/brackets, two pillars extending from the top of the cage halo to the strut towers will be mandatory for cars using a proper cell. It must be as close to the back of the rear seat as possible, with filler inside the trunk and a PCV valve on the vent tube of the tank. Must have a steel box over the fuel cell.
- 17.2** All fuel lines must be run under the floor and exit the vehicle prior to leaving the steel box.

MIRROR

- 18.0** One stock windshield mirror is permitted, the maximum size of 24 sq. Inches.
- 18.1** One driver side mirror is ok. Maximum measurement of 6 inches at any given spot and must be securely mounted inside the vehicle.

Contact track officials for any Questions or Concerns.

All Rules are Subject to Change.