

## Mini "OUTLAW" Division 2020

2020 Changes in RED.

### Formerly Honda Division

#### Intent

To provide a class of cars which are fast and challenging to drive but less expensive to build, operate and maintain while providing close and exciting competition for fans and competitors. The emphasis in this class will be placed on the driver, his/her crew, car set-up and driving skills. This division is open to experienced drivers, fun four drivers wishing to move to a higher division, or new drivers who feel they are not ready for a rear wheel drive division.

#### Approved Models

Honda Civic Models, CX, DX, LX, and CRX-DX, or any single or twin over-head cam vehicle approved by TECH. Any Year or Body Style. Serial numbers must remain in readable condition. No high performance cars such as Honda Prelude. Weight may vary depending on horsepower of vehicle.

#### Safety Rules

#### Helmet and Apparel

Fireproof driver's suit including gloves and shoes are **mandatory**. Driver and suit must maintain clean looking appearance. Drivers must have a neck collar which is certified for auto racing. Helmets must not be older than 2010 and must be Snell rated. Effective 2016, Dot or M rated helmets are not permitted. Safety helmet and complete drivers equipment must be worn in all practice and race events and until the car is parked in the pit area.

### **Driver Area**

All bars and sharp contact areas around the driver must be padded with roll bar padding.

### **Belts and Harness**

All cars must be equipped with a quick release type, 5 point harness 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 1/2" in diameter.

Head restraint strongly recommended. No riveting or tying belts. Seat belts maximum of 5 years old. If date is not visible belt will be deemed unuseable.

### **Fire Control**

Cars must have a 2 1/2 lbs fire extinguisher with either a steel or aluminum head mounted in a steel mounting bracket and must be bolted down, and within the driver's reach with seat belts fastened. Fire extinguisher must

be serviced and inspected each year and dated no later than January 1<sup>st</sup> of the current year or have an unbroken seal.

### **Seat**

An aluminum racing seat must be used and securely fastened meeting Tech approval. When mounting the seat use a minimum 3/8" grade 8 bolt with large washers to hold the racing seat to the seat framework.

Minimum of 2 bolts on the seat back and two bolts on the seat bottom. Seat must be positioned completely to the left of the centerline of the car. Headrest side plates recommended.

### **Window Net**

SFI rated driver's side window net is mandatory with a minimum 3/8" rod. Must have properly mounted top release.

### **Roll Cage**

Must have a full 6-point roll-cage made of minimum 1.5"X0.095" wall thickness. NO angle iron or square tubing in roll-cage. All bends must be flowing, not crimped. The cage must have six 4"X4"X1/8" backing plates to bolt or weld cage to chassis. Must have four 3/8" minimum bolts per plate if bolted. May weld cage to frame.

Backing plates are required for uni-body cars.

The cage must consist of a main hoop within 12" of the driver. The cage must have an X-brace in the main hoop behind the driver and also one cross bar at shoulder height connecting at X. Must have two back braces which connect no more than 6" below the top of the main hoop behind the driver. Must have one dash bar.

Must have one overhead front bar at the top of the windshield connecting the left and right sides of the cage.

IF NO DOOR PLATE IS USED, DRIVERS SIDE DOOR BAR OPENINGS MUST BE FILLED IN WITH 1/8"

STEEL PLATE. The roll cage must have three driver's side kidney bars bent out as close to door skin as possible (no straight bars accepted on driver's side), with a minimum of two upright supports between each door bar. Two passenger side door bars bent out to the door skin are required, with a minimum two supports between each door bar.

A driver's side doorplate is base cage requirement. It will be a minimum 1/8" steel plate ( at least 16" wide) if contoured ( rolled, not cut and re-welded) with body, installed on the outside of the driver's door. Non-contoured plate must be a minimum 3/16" thick. The center of the plate must follow an imaginary line drawn from the top edge of the front and rear bumpers. It must extend ahead and behind the door and be bolted through the door frames ("A" and "B" pillars) with a minimum of four carriage bolts. Bottom of plate should be

as close to the rocker panel as possible. Plate should follow the contour of the body and must be painted the same color as the car.

Front and rear hoops are allowed and strongly recommended. Front hoop cannot extend further forward than the center of the front spring. For all safety equipment, it will be the sole responsibility of the driver, not Oyster Bed Speedway, their agents or officials to ensure that his/her safety equipment is correctly installed, maintained, and properly used. Please refer to manufacturer installation and usage guidelines and strictly adhere to them.

## **Body**

Body must be stock appearing and in stock position on the frame. All chrome mouldings, ornaments, door handles, glass, lights, or plastic components must be removed, except the grill and windshield. Appearance of race cars participating in racing event must be presentable in appearance. Cars that are considered unsafe or improperly prepared will be rejected by the Tech committee.

## **Paint and Lettering**

Numbers must be on the sides of the car and roof in large (minimum 18") letters in a color that clearly contrasts to the paint job of the car. Sponsor's name and logo may be placed any other place on the car. A 4" number is required on the right upper windshield. VULGAR WORDS AND EXPRESSIONS ARE NOT PERMITTED. Tech official's decision).

## **Weight**

A minimum weight of 2150 lbs including the driver with a maximum left side weight of 55% with multi-port engine. A minimum weight of 2000 lbs. for throttle body engine. NO topping up with fuel after the feature.

When adding ballast to accommodate weight rule, it must be bolted securely in the center of the car. Ballast may not be moved rearward. TO equalize the field as much as possible Oyster Bed Speedway reserves the right to add any amount of lead to any location to keep the class competitive and fun. There will be NO weight added as all cars must meet the 195 PSI compression rule however, weight may be added on a case by case bases to ensure good competition. Additional weight added mounted to the floor pan or equivalent must have 50% size washer installed on backside.

## **Battery**

Batteries must be securely mounted in the front of the firewall or in a sealed container behind the driver. E.g. a marine battery container with lid.

## **Bumpers**

Front and rear bumpers must be stock appearing and in stock position. Fabricated bumpers allowed if approved by TECH Bumpers may be reinforced from the inside only. Bumpers must have a stock appearing bumper cover. No visible push type bars allowed. Each car must have a tow hook or chain front and back, mounted through bumper cover or under the bumper and must be visible to safety crew.

## **Doors**

All Doors must be securely welded or bolted shut to the satisfaction of the Tech Inspector.

## **Hood and Trunk Lid**

Full stock hood and bracing must be retained, with easy access in the event of a fire. No hood openings allowed. Full stock trunk must be retained. Latch to be removed and quick release hood pins must be used. No bolting hood closed. No modified rear spoilers.

## **Windshield**

Windshield is a must. Windshields must be safety glass or lexan. NO Plexiglas screens or half windshields allowed.

## **Rear and side windows**

Absolutely no rear or side windows permitted.

## **Rub Rails (optional)**

Side bars must extend no further forward than the rear of front wheel opening, and no further rearward than front of the rear wheel opening, and must be flat to the doors and a maximum 1 1/4" X 1 1/4" or 1/4 X 2 flat bar welded or bolted to roll cage. No sharp edges. When bolting on rub rails, you must use carriage bolts (or round-headed bolts), if hex head bolts are used, they must be counter sunk.

## **Wheel Openings/Rocker Panels**

Original wheel arches must be retained. Front inner fenders may be removed or trimmed. Body cannot be lower than 4" to the ground at any point.

## **Interior**

All upholstery materials and trim and padding must be removed. The front and rear firewalls must have all holes and openings filled with sheet metal. NO SHEET METAL SCREWS TO BE USED. Pop rivets or welding brazing only. All inner metal doors and quarter panel bracing must be retained unless full roll cage door bars are used. Any holes in the floor pan must be filled. Original floor pan contour must be retained. No boxing in passenger's compartment or back seat area. No fuel or brake lines or fuel filters permitted in the driver's compartment other than stock components in stock locations. Fuel lines in driver compartment must be protected by minimum 1/16 thick metal meeting tech approval.



## **CHASSIS AND SUSPENSION**

### **Brakes**

All four wheel brakes must be working. No brake biasing other than stock, of any kind, including valves, blocked lines etc. No rear disc brakes unless stock for make and model of vehicle.

### **Shocks and Struts**

No racing shocks or struts allowed. Stock gas shocks or struts permitted. Use of max 2 spring rubbers per car allowed.(1 piece = 1 rubber)

**Only 1 stock joust bumper per strut allowed. Strut bellows (dust boot) must be removed from all struts to allow for tech inspection. 88-91 civic struts allowed on all year civics. NO struts shorted than stock 88-91 struts allowed. Absolutely NO bump stopping!! A minimum of  $\frac{3}{4}$  of an inch of strut shaft visible between strut seal and stock bumper. Stock bumper may be trimmed slightly.**

**NO progressive springs permitted.**

### **Suspension and Frames**

All suspension and frame components must be stock for the make, model and year of the car, with no modification. Suspension may not be adjusted except for adjustable rear upper control arms. No components can be interchanged for those that are not stock. **Front sway bar may be adjusted, but may not be set up with quick adjust.**

No modification of stock suspension locating points allowed. Adjusting ball joints allowed in front, **Carquest P/N RK90492 only.**

Front camber may not exceed 2 1/2 degrees on the left side and 5 degrees on the right side. May run up to 3 degree camber at RR tire.

**CAMBER ANGLES STRICTLY ENFORCED.**

Unibody cars may install subframe connectors with a maximum of 2"X2" X 0.095 tubing. A single strut tower brace with a maximum of 1 3/4" 0.095 tubing may be used. No weight jacking devices of any type allowed including screw adjusters etc.

Frame may not be lower than 4" from the ground at any point.

## **Powertrain**

## **Engines**



**Stock cast 4-1 exhaust manifold. NO SI EXHAUST MANIFOLDS. Approved intake manifolds; PO6,**

**PO8, P10, PM6, PMX, PF2(downflow), PMS.**

**Approved ECM; PM5, PM6, PO6, P28, P2E, P2P, PR4.**

**All engine parts must be OEM replacements only.**

**No other 1.6L engines allowed**

**ZC block will be permitted when matched up with D16Y7 head and cam.**

**No VTEC, or SI or engines or parts allowed.**

**No porting, port matching, polishing, sandblasting, coating and/or blueprinting will be allowed. Heads may be milled for straightness only.**

**Compression**

**Compression ratio will remain as produced for base model only on all makes and models and may NOT exceed 195 PSI average of 4 cylinders. 195 to 200 will be given 1 weekend to fix, 200 and over will fail.**

**Camshaft**

**OEM cams and lifters only.**

## **Carburetion and EFI**

Carburetor to be stock only as from factory. Stock fuel injection allowed. NO "K&N" or similar aftermarket air filters allowed. No ducting or ram air systems. No Cold air boxes. **STOCK AIR SYSTEMS ONLY.**

## **Throttle body maximum allowed size of 56MM**

## **Cylinder Heads**

Must be stock for engine being run, NO head modification. Stock OEM rocker arm ration only.

## **Intake Manifold**

Original OEM manifolds only.

## **Exhaust System**

Stock exhaust manifold only. No Headers. Cars must have muffler for 2013 purchased at Canadian tire, low cost, no performance enhancing, and exiting under car. Exhaust should be firmly mounted high enough to avoid contact with the track surface during racing conditions. The exhaust cannot have any sharp edges or protrude outside the body line. Exhaust size maximum of 1 7/8 outside diameter NOT including inlet and outlet of muffler and

flex joint or equivalent. Minimum of a 20 inch choker between muffler and flex. Regardless of make or model, the maximum decibel reading permitted will be 95decibels at 100 feet as measure with track decibel meter.

Cars exceeding the limit will be given one week to correct the problem

**HONDAS must use stock Civic cast iron exhaust manifold with single outlet only.**

### **Water Pump**

Stock OEM replacement pumps only.

### **Transmission**

Any automatic or manual transmission made for the year and model of car can be used

but must be stock. All cars must have a working reverse gear. Transmission coolers

are permitted but cannot be mounted in the driver's compartment.

### **Fuel Pump**

Stock fuel pumps only. Electric fuel pumps allowed provided car was manufactured with

it. No high pressure after market electric pumps allowed. When using an electric fuel

pump and oil sender safety shut-off must be used.

## Fuel Tank/Cell

Fuel tank is to be securely mounted in its original position underneath the car. **If**

**original tank is used it is mandatory that a safety chain , or plate , be installed under**

**the tank running front to back to catch the tank in case the original straps break . Or**

a fuel cell can be mounted in the center of the trunk area. The fuel call must be separated

from the driver's compartment by an all metal firewall. There can be no openings in the

firewall and any holes must be filled in with metal. No filler neck or fuel line is permitted

inside the driver's compartment. The fuel cell must be firmly secured with steel straps to

the floor of the truck. Minimum of two straps front and back, one side to side (straps

must be steel and a minimum of 2" x 1/16" flat strap). All filler caps must be non-vented.

NO car will be permitted to run if any sign of fuel leakage is found. The mounting of the

fuel tank is at the discretion of the Tech Inspector. A single safety hoop with two

uprights is permitted. Tubing may not exceed 1 3/4" X 0.095". The hoop can tie into the

main cage. **FUEL CELLS ARE HIGHLY RECOMMENDED**. No NOS systems or plumbing.

## Ignition and Charging System

Ignition system must remain stock in every aspect. Stock replacement parts only. No aftermarket high performance ignition systems. Charging system must be completely working. Kill switch Mandatory in main battery line or use of Ford solenoid is permitted, either system must be clearly marked and in reach of driver and safety personnel.

### **Cooling System**

Larger rads permissible only if they fit in stock rad cradle and under the original hood line. No antifreeze permitted. An overflow can must be installed in the engine compartment. Radiator bracing is permitted..

### **Differential**

Posi-trac, limited slip, lock-up diffs, spools and welding of differentials are not permitted.



## **Tires**

### **Type/Size**

NEW for 2019 – Winter Tires WILL BE PERMITTED ON LEFT SIDE ONLY. NO EXCEPTIONS.

ABSOLUTELY NO studded tires permitted in the Pit Area or on the track surface at any time. Maximum tire size allowed is 215X60. Only one entire size difference allowed from side to side or front to rear. All tires are subject to approval. All tires must be DOT approved and cannot have a tread wear rating less than 250, if either the DOT approved or tread wear rating is removed from the tire it will be deemed illegal. Tires up to and including H speed rating permitted. Only one tire above 7/32 permitted on car during competition. Eagle RSA tires meeting the rules stated above will be permitted.

### **Wheels**

Maximum width of 6" measured from bead to bead seat will be allowed. All wheels must be either 12, 13, 14, or 15" diameter. No intermixing of wheel size permitted. Aftermarket wheels not allowed. Stock off-set only.

Aluminum wheels allowed provided they are stock production for the vehicle except the right front must be steel.

### **General**

### **Radios**

No two-way radios. No communication devices of any kind permitted, including

scanners.

### **Mirrors**

One round mirror (Max 6" Diameter) allowed. Must be mounted on left windshield post and remain inside the body line. Rear view mirrors are permitted with maximum size of 4-8.5 inches mounted within reason of stock location. Exceptions will be made for drivers using HANS or full containment seats.

### **Illegal Parts**

All illegal engine and suspension components will be confiscated and remain the property of Oyster Bed Speedway. Failure to adhere will result in the driver and car being suspended for further competition.

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