

2019 FOUR (4) CYLINDER ENDURO DIVISION

STAR - LEE - HUDSON - MONADNOCK - CLAREMONT

1. ELIGIBLE VEHICLES:

A. Eligible vehicle includes front wheel drive 4 cylinder Automatic or standard models that are 10 years and older. We will NOT allow the “high performance” configurations.

B. No convertibles, may compete. No special high-performance cars or four-wheel drives. No car will be able to compete that will threaten the viability of less expensive and readily available model’s sedans. This Division will be all about driver performance and plenty of luck. It’s all about having FUN and entertaining the spectators.

C. Eligible cars should be constructed from running vehicles in relatively good condition. Engines and all other drive train components must remain stock as manufactured. No interchanging of components allowed. No performance enhancements of any kind will be permitted.

2. FINAL WORD ON RULES:

A. If it’s not in the rules, **DON’T DO IT**. In short, if it doesn’t say you can do it, and then **DON’T DO IT**. If anyone is caught doing something to enhance the performance of a car you will be disqualified from the race.

B. NO DRIVING ON THE RACE TRACK WITH FLAT TIRES OR DRAGGING PARTS, THIS WILL RESULT IN AN IMMEDIATE DISQUALIFICATION AND POSSIBLE FURTHER ACTION

3. CAR CONFIGURATION:

- A.** Car must have a full width dash, may use stock dash.
- B.** Car must have factory column and steering. A removable quick release steering wheel is highly recommended.
- C.** All doors must be welded or chained shut. Bumpers must be safety chained
- D.** All outside trim must be removed
- E.** All glass must be removed – headlights and taillights, reflectors, including all windows, regulators and door locks. Front windshield may remain stock or replaced with Lexan.
- F.** All air bag sensors and air bags must be disarmed for safety purpose.
- G.** All cars must have a VIN number.
- H.** Windshield rear view mirror is only Mirror allowed
- I.** Drivers side metal interior door panel may be removed for cage purposes only.
- J.** No cutting of exterior sheet metal: fenders, bumpers, trunk, etc. Only the front hood inner panel may be removed.

4. WHEELBASE:

- A.** Cars must maintain a stock wheelbase for the model used.

5. DRIVETRAINS:

- A.** No differential gear changes allowed. No locked differentials allowed.
- B.** NO traction control devices, stock or aftermarket.
- C.** No performance computer chips allowed.

6. ENGINE:

- A.** Must be 4-cylinder, fuel-injected motor models, stock for year and make and model of car being used (Completely Stock). Engine size and Transmission must be car for car (will be checked by VIN code). No Turbo or Super Charges allowed.
- B.** Engine will only have water in radiator. Engines will be free of oil leaks and fluid leaks.

7. EXHAUST SYSTEM:

- A. Stock headers or high-performance exhaust manifold may be used, ONLY if the car came shipped from the factory with that equipment. Stock exhaust pipe should extend from the manifold to the flange of the catalytic converter.
- B. The catalytic converter should to be removed.
- C. Cars must have mufflers glass packs and cherry bombs are allowed. No side exhausts. Exhaust must dump under car at 90 degrees toward the track surface. Muffler and pipes must be firmly attached to the bottom of the car.

8. BRAKES:

- A. Car must have brakes on all four (4) wheels and be operational.
- B. All ABS systems must be disarmed.
- C. All brakes must remain stock for year and make of car.

9. BATTERY:

- A. Battery may remain in the stock location or relocated behind the driver's seat. No Batteries allowed in the trunk area, must be in a battery box acceptable to Lee Tech Staff. Battery must be free from any fluid leaks.

10. SUSPENSION:

- A. All suspension components must remain stock as manufactured with the exception of adding camber adjustments on the left front and right front suspension only. This is to help prevent outside/inside tire edge wear and for aiding in car handling. A maximum of 2 ½ inches of negative camber is allowed on the right front wheel, left front wheel is allowed 1inch maximum positive camber. No cutting or changing springs. Right front and left front upper strut mounts may be slotted for camber adjustments only. Rear camber is allowed but must not be more than a ¼ inch positive camber on the left rear and ¼ inch negative camber on the right rear.
- B. All springs must be stock as manufactured, no changing, cutting or lowing of springs allowed must be stock (OEM). Spring must be the same diameter on the left and right side (same spring gauge). Shocks and struts must be stock or stock replacement type and mounted in stock location. If you replace any part you must have the sales slip with you if asked by track official.

No altered or high-performance components allowed. No weight jacking devices to increase or decrease spring rate, but you will be allowed the use of one rubber spring spacer, maximum 1 spring rubber spacer per wheel. Spacer length cannot exceed more the one coil wound (circumference). Or you may use the taller spacers, these are roughly $\frac{3}{4}$ inch wide by 2 inches tall, you can use up to 3 of these as long as it's only used in one coil spring wound (circumference).

C. Stock Bump stops on struts must 3 inches of travel before the bump stop hits the strut

D. This division is intended to draw entry-level fans into the sport. It is designed for those with little racing expertise and money to participate in the sport in a big way. However, it is also intended to put on the best possible show for the fans, requiring a certain amount of professionalism in race preparation and attitude on the track. Competitors are urged to race hard to win, not to merely crash and cause havoc. In this class, the playing field is leveled in a way that virtually all have a significant chance to win.

E. Everything about the vehicle must remain stock for the year, make and model of vehicle being used. Except for what is permitted or required in this guidebook, vehicles must remain completely stock in appearance, configuration, setup, and running gear including motors, transmission. Any variances from this guidebook will/may result in the disallowance of competition until the variance is corrected, this will be at the discretion of LEE Tech Staff. 3

11. ROLL CAGE:

A. A roll cage is not mandatory but Highly Recommended due to the speeds of the Track.

B. All cars with a cage, must have a four-point roll cage constructed of $1\frac{3}{4}$ " outside diameter X .095 wall steel tubing. The roll cage shall consist of 4 vertical upright bars connected at the top on all sides and shall be adequately cross braced. The base of the upright members shall be solidly welded to the frame of the car. Four curved door bars on the left side and three curved or straight door bars on the right side are mandatory. The roll cage members must closely conform to window/door/roof contour and not be readily apparent when car is viewed from the side. Offset cages are not allowed.

C. Forward bars attached to the main cage cannot attach to any suspension points. Minor front bracing for protection of the radiator. No bars connecting the main cage to radiator bracing is allowed. Must pass Lee Tech Staff inspection.

D. The roll cage must not alter the geometry of the vehicle.

E. Rear roll cage bars are allowed for added/crash protection. Only one side cage bar per side). Rear bars should/must be mounted from back of cage to rear trunk area only. Rear bars cannot directly connect to the upper/top part of the rear strut itself (suspension). You may connect a rear center cage bar from side to side of the inner side tub/strut box (recommend). Also, the side to side cage bar may be connected to the top of the cage bar that goes into the trunk area.

F. Cages must be padded near the Driver. Cars without cages must have padding on the driver's door.

12. RACING SEAT/DRIVER'S HARNESS:

A. Padded racing type driver's seat is recommended. Seat must be bolted to brackets and firmly welded to the roll bar assembly. All bars within the driver's reach must be padded with approved roll bar padding. Cars should have an SFI approved racing harness properly attached to the roll cage bars. Must have a minimum Five Point Harness and be less than 5 years from date of manufacturer, A minimum of a lap and shoulder belt is Required

13. FUEL TANK:

A. Racing fuel cell is permitted and highly recommended but is not mandatory. Fuel cells may not be more than 15 gallons in capacity. Fuel cell must be securely fastened with minimum of two 2" x 1/8 metal straps inside in the trunk. No cutting of trunk floorboard when installing a fuel cell. A sheet metal firewall must separate the trunk from the driver's compartment. Relocated fuel cells must be in the center of the car.

14. FUEL:

A. Petroleum based automotive gasoline is the only fuel allowed. No alcohol, No methanol, No nitrous oxide or any other fuel additive may be used.

15. TIRES AND WHEELS:

A. No Racing Tires allowed. No Hoosier, American Racers etc.

B. Tires must be a DOT approved tire up to a 205 series (Width of tire) with a 60 to 85 side wall (no lower profile then 60 side wall will be allowed). If your car came Stock from the Factory

with a lower than 60 series tires you may run a minimum 55 series tire, only if the car came with that size tire. This will be checked and enforced.

C. 13 inch thru 16 inch rim sizes are allowed.

D. Tires may be different sizes from front to back to manipulate gearing, but tires must be same size on the left side to the right side. No running larger tires on one side and smaller tires on the other side to increase stagger.

E. Tread wear must not be any lower than 360.

F. Rims must be stock appearing with stock offsets only. Swapping rims is ok as in VW rims on a Honda, Saturn rims on Toyota etc. No Racing Rims allowed. Tires and wheels must conform to all of the listed parameters above. Not following the tire and wheel rules listed above will result in a disqualification at post-race inspection.

16. SAFETY EQUIPMENT:

A. An aluminum racing seat is recommended.

B. SFI Five Point Drivers Harness must be less than five years from manufactured date. Is recommended a minimum of a lap and should belt is required.

C. Only Snell approved full face Helmets are allowed. It is highly recommended the use of a Snell SA2005 or newer fullface helmet.

D. SFI Window net is required.

E. SFI Fire suit required and must be in good condition, no holes, grease etc.

F. SFI Racing Gloves required.

G. SFI Racing Shoes are highly recommended. Proper foot wear is required (Non-SFI sneakers will not be allowed).

H. Head and Neck restraints are highly recommended and should be used.

17. RESPONSIBILITY:

A. NO DRIVING ON THE RACE TRACK WITH FLAT TIRES OR DRAGGING PARTS, THIS WILL RESULT IN AN IMMEDIATE DISQUALIFICATION AND POSSIBLE FURTHER ACTION.

B. IT IS THE RESPONSIBILITY OF THE COMPETITOR TO OBTAIN AND BECOME FAMILIAR WITH THE GENERAL RULES OF LEE USA SPEEDWAY AND THE

CURRENT RULES PERTAINING TO THE DIVISION IN WHICH HE/SHE CHOOSES TO PARTICIPATE.

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events all participants are deemed to have obtained, read and understood a copy of the current rules, and complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, or official.

Rules may be adjusted to meet the needs to equal the playing field without notice.

REVISED ON: 2/26/19