

CRATE LATE MODEL

NOTE: The Crate Late Models will run with the Limited Late models if there is less than TEN (10)

NOTE: There will be select special events during the year just for the Crate Late Model's (see schedule)

BODY:

- A. Standard Dirt Style body required. A stock appearing nose is required.
- B. Schaeffer Oil Southernnationals Body rules apply.
- C. See tech inspector if you have any questions.
- D. All B posts must match from one side to the other. (Solid or open has to be the same on both sides)
- E. Rear deck height is 38" at all times with a 1" tolerance. 39" max. "DROUPE RULE" Deck not to exceed 50 ½ in. (6 in. IN ON LEFT SIDE OF T BAR) to the ground jacked up. Jack will be placed under the under rail between the axle tube and the shock mount on the back of the bird cage. Must be a chain with a MAXIMUM OF 1 inch of rubber material in the droop limiter. Any washers or spacers will be included in the 1 in of material.
- F. Spoilers: 12" max. Spoiler height and 72" max. Spoiler width
- G. No more than 3 spoiler supports may be used. All 3 side spoilers must be the same and on the car.

CHASSIS / FRAME

- A. No aluminum frames or front clips. All frames must be of steel construction, and must be a minimum of 2" by 2" square with a minimum material thickness of .083 inch.
- B. If round tube frame, tubing must have a minimum of 1-3/4" outside diameter, with a minimum thickness of .083 inch.
- C. Wheelbase a minimum of 103 inches. (No tolerance)
- D. No wings or tunnels of any kind allowed underneath the body or chassis of the car.

ROLL CAGE

- A. All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.
- B. Side roll bars are mandatory, and must extend into the door panels.
- C. A minimum of three (3) bars must be used on the left side.

- D. Each bar must be 1-1/2 " in diameter, with a minimum material thickness of .083 inch.
- E. Roll cages must be welded to frame.

DRIVER COMPARTMENT SAFETY

- A. Drivers seat must be a proper racing seat design, and securely attached to frame. (Full containment seats are recommended)
- B. A full racing seat belt harness must be used; harness must be secured to the frame, not seat.
- C. All cars must have a quick release type steering wheel.
- D. All cars must have a working fire extinguisher securely mounted within easy reach of the driver.
- E. All drivers must wear full fire resistant driving suits and gloves.
- F. Hanz device or any type of approved head and neck restraint is MANDANTORY. Anyone not having a restraint must start in the rear of the feature for safety and may not finish in the top 5 of the A Main feature.
- G. No electronic or computer-controlled devices or data acquisition systems allowed.

FUEL CELL / FUEL:

- A. An approved fuel cell (32 gal max) must be securely mounted in the trunk area of the car, inside a .20 gauge metal box supported by a minimum of two 2" inch by 1/8" inch steel straps.
- B. All fuel cell must have a flap in top with a ball valve to keep fuel from running out if car is upside down.
- C. Fuel cell must have the pickup line coming from the top half of the cell.
- D. Pump Gas or Racing Gas only. Pump Gas may contain up to 10% ethanol as allowed by law.
- E. E85 is allowed, Fuel must water test and check within 2% at any time checked,
(ETHANOL – MAX 87% - MIN 83%)
- F. NO alcohol, NO methanol, nitrous oxide, or chemical additives including but not limited to Propylene Oxide, Nitro Methane, Nitro Propane or any Nitrate additives.

TRANSMISSION:

- A. Drive train must have transmission, mounted on rear of engine – no direct drive or in-boxes.
- B. Any transmission, with working forward and reverse gears permitted, and must lead to one drive shaft.
- C. All drive shafts must be painted white or silver, and must be protected by a minimum of one (1) safety hoop or a sling. (Carbon Fiber Shafts are recommended for safety.)

REAREND:

- A. Any type of rear end/differential permitted. No exotic materials allowed.
- B. Any steel or alum tube permitted. No lead may be bolted to the rear-end.

BRAKES:

- A. All cars must have operational four wheel braking. NO CARBON FIBER Brakes allowed.

WHEELS:

- A. Any brand or type of wheel allowed. Must be mounted with lug nuts. No knock-off or center locks wheels.
- B. Maximum wheel width – 14” inches.

TIRES:

- A. American Racer: 48, 56 or PRO 2 & 3
- B. Hoosier: Spec 1350 (HTS OR CRATE 21) or 1600/55 ONLY. NO RIBS PERMITTED IN 1350
- C. All 48's and 1350's must punch 45 before entering the track.
- D. Tires must have all numbers and names on the tire. No grinding off of numbers or names.
- E. Tires may and will be confiscated at any time the officials deem necessary for samples or to check for tire prep in or outside the tire. TCR has a no tolerance rule for tire treatment or prep to these tires. If TCR takes a sample from you, your money will be held until the results have been returned to TCR. TCR tech official's decision will be final and there will be NO resending of the samples.

EXHAUST/MUFFLERS:

- A. Collector type headers required.
- B. Mufflers are mandatory
- C. Any car that is judged to be too loud, by the track officials, under race conditions, may be black flagged.

ENGINES: APPROVED SEALED CRATE ENGINES:

- A. GM 602 or 604
- B. Ford 347SR
- C. The sealed engines must remain intact and not be tampered with; any seals that have been removed or tampered with will make the engine illegal and not eligible for competition. Seals may be from any certified/bonded rebuilder.
- D. No changes are allowed to the engine (intake manifold, heads, valve covers, oil pan, harmonic balancer or any other part/ or parts on/or in the engine.)

WATER PUMP: Cast or aluminum permitted. NO electric water pumps.

FUEL PUMP: Mechanical pump only. NO electric pump.

DISTRIBUTOR:

- A. Any ignition. NO magnetos allowed.
- B. NO TRACTION CONTROL (\$400 CLAIM RULE ON EACH IGNITION BOX)

CARBURETOR:

- A. One four-barrel carburetor only of any manufacture.
- B. Engine must be naturally aspirated.
- C. May use one carburetor spacer

(602 may use a 2 inch total thickness + .040 tolerance)

(604 may use a 1 inch total thickness + .040 tolerance)

(No part of spacer may enter intake plenum) and two standard one-piece paper gaskets (maximum 0.070 inch thick), one gasket between intake to spacer and one gasket between spacer to carburetor.

ENGINE SETBACK:

- A. Engine setback will be 6" inches from center of top ball joint to the most forward spark plug. 1 inch tolerance on engine setback.
- B. Engines may be crossed from one manufacturer's line to another Example: Chevy, Ford, Dodge, etc

WEIGHT:

- A. Engine # 602 2100lb.
- B. Engine # 604 2200lb.
- C. All crate engines may run a 12" spoiler
- D. No weight allowance after time trials.
- E. One pound per lap weight allowance plus 5 after race.
- F. All cars must have specified weight posted on top left side of car.

**604 DRIVERS AND ENGINES THAT RUN WITH THE BEGINNER CLASS
APPLY THE FOLLOWING RULES FOR THE BEGINNER 602 CLASS ONLY**

WEIGHT: 2450 LB anytime. Must have 50lb in front of the bell housing

Must have a 6300 chip in the ignition box. 8-inch spoiler only permitted.

Must have a RR 56 American Racer or 1600 Hoosier. Spec 48 and 1350 on other 3 corners permitted.

CRATE LATE MODEL ENGINE PROTEST FEES:

\$1000.00 PLUS THE PRICE OF TECH INSPECTOR

\$ 50.00 Engine set back fee.

NOTE: The engine will be impounded at the official's discretion until the protest is complete. The seals that are on the engine being protested will be the rules for the tear down. (Example: Fastrack seals = Fastrack rules and etc). Any engine without seals will be automatically be disqualified.

Any item not listed in protest fees is considered a visual protest item and must be protested before race.

ONLY drivers finishing directly behind protested car is eligible to protest another competitor. Their will be no counter protesting by car being protested. Any protesting car can only protest ONE car per event.

ONLY drivers can protest cars, not crew members or car owners and protest fees must be posted to tech director within 5 minutes of checkered flag falling.

See POLICIES AND PROCEDURES for the remaining rules concerning the PROTESTING.

NOTE: Track reserves the right to delete, change or amend rules in the interest of competition.