



2019 Factory Stock Rules

(PURE STOCK, AMERICAN STOCK, HOBBY STOCK, NOVICE)

TO ALL COMPETITORS/PARTICIPANTS

- ❖ Under the guideline of the 2019 DIRTcar Factory Stock rules any and/or rules and as stated in the 2019 DIRTcar Rule Book, all DIRTcar rules apply to all divisions. Local track rules pertaining to the racing procedures and/or overall rules that are administered by the local track officials and management may apply at local tracks in DIRTcar sanctioned events. Instances, where applicable, local track may be applied.
- ❖ The 2019 DIRTcar Factory Stock Rules have been established to include the rules in several different regions of North America, refer to the rules that are in effect in your region.
- ❖ The following are the 2019 DIRTcar Factory Stock rules. All amendments supersede any previous rules regarding any technical article and/or aspect.
- ❖ Under the guideline of the 2019 DIRTcar Factory Stock rules any and/or rules and as stated in the 2019 DIRTcar Rule Book, all DIRTcar rules apply to all sanctioned divisions.
- ❖ The specifications published shall be considered a section of the "General Rules and Specifications" for all events, series and sanctions by World Racing Group. All sections should be considered when determining specifications and governance.

25.0 DIRTcar Factory Stock

25.1 – Engine

- A. All engine components must remain stock, unaltered and OEM for the year, make and model of the car being used in competition. All engine components must remain Chevy for Chevy, Ford for Ford.
- B. Engine must be in stock location.
- C. No Siamese blocks.
- D. All engines must be of stock bore and stroke (.060 max. over bore).
- E. No Dome Pistons. Flattop or dished pistons only.
- F. The following Heads are permitted:
 - a. GM-350 CID, castings 487-882-997-624-126-493-185-339-441-993.
 - b. GM 305 CID, castings 434-450-416-896-520-601
 - c. **Engine Quest Head CH350I for GM & CH318B for Chrysler Intake: tbd**
 - d. Ford 351 W CID – **Intake: tbd**
 - e. Chrysler 360 CID – **Intake: tbd**
- G. COMBUSTION CHAMBERS MUST REMAIN WITHIN 3cc's OF STOCK
- H. **NO PORTING OR POLISHING OF ANY KIND PERMITTED!**
- I. All heads must retain stock valve size.
- J. Single valve spring only
- K. Guide plates and screw in studs are allowed.
- L. Valve springs must be of stock diameter and height.
- A. Stamped steel rocker arms only, no roller rockers or roller tip rockers.
- B. Poly locks allowed.
- C. Stock steel retainers only.
- D. Pin studs are allowed.
- E. NO MILLING OR CUTTING OF VALVE SPRING SEATS TO ALLOW USE OF LARGER VALVE SPRINGS, MUST USE STOCK OEM VALVE SPRINGS!
- F. NO EXTENSIVE MILLING OR ANGLE MILLING WILL BE ALLOWED!
- G. No gear or belt driven camshafts.
- H. Cams must be hydraulic/non-roller only.
- I. Must have cast iron 2-barrel intakes
- J. 7-quart oil pans permitted
- K. Fan shroud required.

25.1.1 – Electronics and Ignition System

- A. All ignition components must be unaltered, OEM and match the year, make and model of the car in competition. Only 12-volt ignition systems will be permitted.
- B. Ignition boxes and/or performance chips and/or any ignition enhancing devices will not be permitted.
- C. Traction control of any-type will not be permitted.
- D. Only one twelve (12) volt battery, securely mounted with both terminals covered will be permitted. If battery is moved from OEM location, the battery must be mounted in a Marine-type case. Battery required to be mounted in trunk between frame rails minimum 3/8" hold down bolts.
- E. Only stock OEM starters in the OEM location will be permitted.
- F. Only one aftermarket tachometer, oil pressure and water temperature gauge(s) will be permitted.
- G. In-car cameras, recording devices and/or data transmitting devices of any-type will not be permitted.

25.1.2 – Carburetor

- A. Must run stock 2-barrel carburetor, NO HOLLYS! Carburetors must mount directly on intake without the use of an adapter plate.
- B. Carburetor will be checked with carburetor tool. (may remove choke plate only).

25.1.3 – Exhaust System

- A. Headers allowed. Must have cast iron exhaust manifolds or headers.

25.1.4 – Engine Setback

- A. Engine setback will be measure from rear trailing holes in frame to back of block, measurement is 76.5".

25.2 – Transmission & Driveline

- A. OEM replacement aftermarket clutch, pedals, and master cylinders allowed. No mid mounts, must have transmission cross member
- B. Drive shaft loops no more than 12" past front yolk.
- C. Drive shaft must be painted white.
- D. Driveshaft must be steel.
- E. Manual transmissions must run explosion-proof bell housing.
- F. Automatic transmissions must run explosion proof blanket or 1/4" steel scatter shield over converter.
- G. All forward and reverse gears must be operational.
- H. The flywheel, flex plate, clutch and/or torque converter and/or assembly must remain unaltered and OEM of the year, make and model of the car in competition.
- I. Mini-type clutches and/or couplers will not be permitted.
- J. Transmission coolers in the driver compartment will not be permitted.
- K. Locked rear ends will be allowed. Floater rear-ends will be allowed. No limited slip differentials (No traction control). Any pinion angle allowed.
- L. Trailing arms must remain stock length. Trailing arm brackets must be within 1/2 of each other

25.3 – Chassis/Frame/Roll Cage

- A. All cars must be stock; cars must be of Sedan type only, no small, unsafe cars. No hearses, station wagons, convertibles, or commercial vehicles are allowed. No foreign cars.
- B. Full frames only. Rear frame rails may be replaced with 2"x3" square tubing after kick up only!
- C. Roll cage: Full six-point roll cage from center to rear axle must be used, rear loop from frame to frame allowed.
- D. No intentional reinforcement of bumpers allowed. Bumpers must be curved inward.
- E. Three door bars on both sides mandatory.
- F. Bars on quarter panel & door to protect car are required. The bars, which should be 1 1/2" or 1 3/4" pipe, must be cut on an angle so they are able to slide off, close to the body, and must be capped off.
- G. Front safety loop not to exceed 1 3/4" O.D. round tubing with maximum loop no to exceed 5" as measured from front side of tubing in front of radiator. Loop to be a single bar. A brace for the radiator may be used with an upright on each side and brace to the frame. In front of "A" frame, a maximum of 1 1/2" O.C. X minimum 1" I.D. pipe of tubing.
- H. The magnetic steel floor pan must remain unaltered and OEM. Any work that is done in the form of patches must be completed with magnetic steel

25.4 – Weight

- A. Minimum weight 3,200 pounds.
- B. Removable weight allowed. Must be painted white and securely fastened. Minimum of two – ½ inch bolts.
- C. All cars must weight with driver

25.5 – Fuel Cells and Fuel

- A. **Drivers refer to Section 3.0 of General Rules and Specifications for complete Personal Safety Equipment Requirements**
- B. Cars must have a full firewall between fuel cell and driver.
- C. Pump gas or racing gas only. No alcohol, nitrous oxide, nitrous methane, or propylene oxide. No E85.
- D. Performance additives will not be permitted.

25.6 – Body

- A. Cars must have stock appearing steel bodies
- B. Floor pans are required. Stock firewall and floor pan in stock position. Floor pan is to go from front firewall to front of rear tires and from door to door.
- C. Windshield must be full screen (wire mesh) with three vertical bars spaced 6' apart on the driver's side. No glass or plastic. You may cover headlight openings only.
- D. All chrome must be removed from the car. Including door handles moldings and mirrors. No interior metal removed. Except door panel.
- E. All doors must be welded or pop riveted shut.
- F. All flammable materials must be removed (backseat, headliners, etc.).
- G. Roll bar can be used behind nose.
- H. All bumpers must be rounded. Must be chained on each side to frame. Must have loop to extend from inner edge back to frame. All bumpers must be welded on and have a good tow hookup! If stock bumper is used, it may not be reinforced.
- I. Cars allowed 5" spoilers, trucks allowed 8" spoiler. Spoilers cannot exceed the width of the deck lid.

25.7 – Wheels and Tires

- A. A maximum 8" (inch) wide steel racing wheel will be permitted. Aluminum and/or magnesium and/or mag-type and/or homemade wheels will not be permitted.
- B. One (1) inch magnetic steel lugnuts will be permitted on all four corners of the vehicle. Any five-lug pattern OEM spindle will be permitted. Spindle saver(s) will be permitted. Must run 9/16 minimum studs with 1" lug nuts on right side
- C. Street Tires, Hoosier M-30 and Hoosier M-60 tires will be permitted.
- D. Siping of tires will be permitted.
- E. No Grooving
- F. Recapping of an approved tire is not permitted.
- G. Any type of alteration, chemical or mechanical, to the face and/or sidewall of the tire will not be permitted.
- H. A bead lock will be permitted on the right rear tire only.
- I. Only approved wheel discs will be permitted. Approved wheel discs are wheel discs that are fastened to the wheel using a minimum of three (3), 1/4 or 5/16-inch diameter magnetic steel hex head bolts. The use of wheel discs with any other type of fastener will not be permitted.
- J. Approved fastening (nut assembly) systems:
 - a. Keyser Manufacturing, part #100 7-101.
 - b. Wehrs Man. Part # WM377A-312 Aluminum 5/16 / WM377S-312 Steel 5/16
 - c. Triple X Chassis Part # SC-WH-7810(1" spring) / SC-WH-7820(1 3/8" spring)
 - d. Pit Stop USA Part #:
 - e. Smith Precision Products Part # MC-516-18

25.8 – Suspension

- A. Racing shocks and springs must be stock mounted in stock location.
- B. A stock replacement Upper Control Arm made by U-B Machine Part #14-0809-5R 8" Right or #14-0829-6L 8.5" Left that have a steel cross shaft will be allowed. These bolt directly to stock mounting brackets. You will NOT be allowed to move the brackets on the frame. These a-arms use the stock K-5208 ball joint as well. These will be optional, not mandatory!
- C. No titanium or other exotic metals allowed (body, engine, and/or suspension).

25.9 – Steering

- A. Quick steers allowed. Aftermarket power steering pumps and reservoirs allowed.

25.10 – Brakes

- A. Minimum three-wheel brakes, stock appearing steel calipers, steel non-scalloped rotors.
- B. **Brakes are mandatory**
- C. Random brake checks will be enforced. If your car fails the mandatory brake check, you will not be allowed to start the night's Feature event.

25.11 – Safety

- A. **Drivers refer to Section 3.0 of General Rules and Specifications for complete Personal Safety Equipment Requirements**

25.12 – Appearance

- A. Cars must have 18-inch number on each door and the roof.
- B. There must be a 5-inch number on the right-side head light or on the upper right-hand windshield.
- C. **All numbers and letters must be easily visible and readable by the track officials.** In the situation of duplicate numbers the track officials may assign a letter to you. It is your responsibility to add this letter to your car on the roof, driver's side and passenger side; failure to do so will cause you to be scored last for your event.