

# 5200 V8 Classic Tractors Rules

Small blocks must run at 7400 RPMs and below. All tractors **MUST** be equipped with a MSD box that will accept a RPM chip. **No Exceptions!** Every tractor must be equipped with a memory tachometer that the track official can check at the end of the track.

-Block must be Cast Iron small block. (Aftermarket blocks are allowed)

-Valve angle will be limited as follows : Chevy 18 Deg./ Ford 18 deg. / Chrysler 20 deg.

-Intakes must be cast iron or aluminum. (No Sheet Metal Intakes)

-Oil system must be a wet sump ( No Dry Sump Systems)

-Vacuum Pumps are allowed

## 1. Frame

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1. All safety rules will be in force at all times on and off the track!
2. Tractors must use the rear end and sheet metal (transmission optional) from a farm tractor of any year. Hood may be modified and/or extended to accommodate the automotive engine and/or transmission.
3. Tractors may have frames extended or replaced, but no part of the tractor (including weight brackets) shall extend further than 14 feet (168 inches) from the center of the rear wheels. The rear weights shall not extend past the rear tires.
4. Weights must be securely fastened to the tractor no rubber straps (i.e. bungee cords) allowed holding weights in place.
5. Hitch point must not be over 20 inches high or closer than 18 inches from a line extending center to center of the rear wheels. Tractor will have a ring hitch with a three (3) inch eye. No floating drawbars. Hitch must be rigid in all directions. Drawbars must be constructed so that in the event of drawbar breakage, the draw bar supports do not pull from a top link or brace above the centerline of the rear axle of the vehicle.
6. Tractor must have wide front end; 48" center to center tires minimum.
7. Front axle supports should connect to each frame rail inline and extend towards the front of the tractor. Front skid/ axle support should be radial as to prevent digging into the track. Front axle support fram should be strong enough to support front end weight of tractor. Support should have a maximum of four (4) inch ground clearance (optional).

## 2. Engine and Drive Train

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1. Engines are limited to one carburetor only. No fuel injection, turbo chargers, superchargers, or blowers allowed. Tractors may use gasoline or high octane racing fuel only. No nitrous, nitro methane, or propylene oxide. No pressure on fuel tank. No fuels in pressurized containers. No oxygen carriers or combustion accelerator permitted.
2. Tractors may run either an automotive automatic or manual transmission in addition to the tractor transmission, or the automotive transmission (manual or automatic) may be connected directly to the differential.
3. All automotive transmissions must be covered with a current SEMA approved safety blanket or shield and be secured as specified by SEMA.
4. All engines using a clutch must be equipped with a current SEMA (or NHRA) approved clutch housing, flywheel, pressure plate, and clutch disc. Or the clutch, flywheel, pressure plate, and clutch disc must be covered with a SEMA approved safety blanket or shield and

secured as specified by SEMA. All tractors must have pressed steel or aluminum wheels, steel flywheel. No homemade shields allowed.

5. The remaining drive train to the original tractor transmission (or differential if not using the tractor transmission) must be shielded 360 degrees with 3/16 inch steel or 3/8 inch aluminum and fastened every 6 inches with 3/8 inch grade 8 or better bolts or butt seam welded.
6. All engines must be equipped with an electric cooling fan. No OEM or OEM replacement fans are allowed.
7. All automatic transmissions must be equipped with a safety switch to prevent starting unless in park or neutral. Tractors equipped with manual transmissions must have a safety switch so clutch must be depressed in order to start engine.
8. All exhaust pipes must point straight upwards.

### 3. Safety Equipment

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1. All tractors must be equipped with kill switches and wheelie bars as specified by Dragon Motorsports.
2. All tractors must be equipped with a "return to idle" dead man throttle. Any vehicles using a foot throttle must use a toe strap.
3. A 2 ½ pound Class ABC fire extinguisher (fully charged) must be mounted within easy reach of the driver.
4. Tractors must have fenders that are a minimum of 2 inches higher than the tires and are wide enough to cover the driver's body. Fenders must be constructed so that when driver is secured in the competition position, no part of the driver's body can touch the tires.
5. Tractors must have safety shields of a minimum of 1/8 inch thick steel on each side of the engine extending the full length of the engine. The shield must extend at least 2 inches below the point of the lowest throw of the crankshaft (unless frame is a solid or wedge style) and to the top of the piston travel. Shield must not be attached to the engine. Starter, motor mounts, and other accessories do not qualify as being part of the shield.
6. All tractors must be equipped with a roll bar or roll cage. The roll bars and roll cages must be of sufficient strength and height to protect the driver. A factory made Roll-over Protection Structure (ROPS) will be adequate. All roll bars, roll cages, and ROPS must be attached to the main frame or axles of the tractor. Roll bars, roll cages, and ROPS must be of sufficient strength steel (no aluminum) to protect the driver and support the tractor in the event of an accident. Automotive exhaust pipe will not be allowed for construction of roll bars and roll cages.
7. Tractors must have back on seat. Minimum of 6 inches high, measured from top of seat rim.
8. Tractors must be equipped with a four (4) or five (5) point racing style harness and drivers must have them fastened while pulling. Harnesses require a 16.1 SFI spec on all restraint assemblies.
9. Helmets are mandatory.
10. All pulling vehicles must have a neutral safety light, and a reverse safety light.
  1. A white light automotive quality, minimum of two (2) inches in diameter, must be mounted within 30 inches of the hooking point, and within six (6) inches of the center line. Light should be illuminated when vehicle is in the neutral position. This light should be designated by a letter "N" marked on the center of the light.
  2. A white light automotive quality, minimum of two (2) inches in diameter, must be mounted within 30 inches of the hooking point, and within six (6) inches of the center line. Light should be illuminated when vehicle is in the reverse position. This light should be designated by a letter "R" marked on the center of the light.

3. Both lights and the starter interrupter switch will be operated off of the shifter lever. And not by driver operated function.

#### **4. Tires**

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1. Tires may be cut.
2. Wheel diameter must not exceed 38 inches.
3. Maximum width of tractor is 96 inches.
4. Tire size limit 18.4 x 38

#### **5. General Class Rules**

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1. Any protest must be filed with a dragon motor sport official before the class ends. Persons making the protest must pay a \$500.00 protest fee that will be a donation to the end of the year points fund for the class. The person making the protest is also subject to having his/her vehicle protested as well.
2. No big block will compete in small block class for any reason unless approved by a Dragon Motorsports official.
3. Vehicle must be in neutral or park while hooking to or unhooking from sled. Driver must also raise hands while hooking or unhooking from sled.