

## *Marion Center Speedway*

### *2018 Truck Pull Rules*

The following specifications have been prepared by Marion Center Speedway as guidelines for the construction of a Pulling Truck. No warranty of safety is expressed or implied as a result of this publication of rules. These are intended as a guideline and are in no way a guarantee against injury or death to participants, spectators, or officials. Anything not covered by these specifications should be approved by the track officials and placed in writing. Continuous developments in truck pulling and technology may mandate changes in these rules. However, it is our intent to enforce and police these rules throughout the season.

We strive to keep the competition equal and fair for all competitors. To accomplish this, IF IT DOES NOT SAY YOU CAN - DON'T!! Try to live within the spirit of the rules. If you have any questions, please contact track officials before you are found illegal for competition.

Anything not covered in these rules will be up to the discretion of the tech or track officials, without recourse from drivers or owners. Safety infractions can be cause for a truck to be kept out of competition until they have been corrected. The preceding rules are subject to revision and will be judged accordingly. UNLESS THE RULES SAY YOU CAN - DON'T!!!

### *Stock Diesel*

The rules promulgated in these rules are intended as guidelines for the diesel 4x4 trucking pulling sport. Nothing herein should be construed as a guarantee against injury or death to participants, crewmen, family members, bystanders or spectators. Each participant must assure that their equipment and replacement equipment throughout the season meet the requirements for this class.

This class is designed for daily-driven, on the road pickup trucks (full-bodied diesel pickup trucks). Valid DOT registration and license plates are mandatory. If your truck is street legal and built to the rules set forth herein, you can enter this class. Registration papers are required to prove that the truck is licensed for street use. A license plate with the current sticker tag is required to be affixed to the truck. Where applicable, a current inspection sticker is required. Trucks may be hauled to the pull. Trucks dominating the class will be move up. Tech officials reserve the right to determine the legality of the truck.

The vehicle may be two or four-wheel drive. Pulling vehicles may be held for post competition tech inspection. Failure to abide may result in a DQ. Top five trucks may be

held at the end of track in a holding area for post pull inspection. It is the driver's responsibility to be aware of their placing and be present with the truck in the inspecting area.

## REGULATIONS

•STOCK NO SITTING ON LINE BUILDING BOOST ROLL BOSSTING FIND. FORDS NO LIMIT STRAPS IN FRONT END.

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•Weight -- Maximum 8500 lbs. with driver.

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•Ballast -- Ballast is permitted. Hanging front weights are prohibited. Ballast may be added in the bed of the truck. If used, ballast must be securely fastened to the BED ONLY. Final decisions rest with the tech officials. Adding weight in other areas of the truck will result in a DQ.

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•Batteries -- The batteries must be securely mounted. They may not be located in the driver compartment or forward of the radiator core support.

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•Body -- The body and truck bed must be the OEM truck body, including the full bed floor and side skins both inner and outer. The body must retain full OEM sheet metal. Metal aftermarket hoods are permitted. Fiberglass is prohibited. The hood must be closed and securely latched while the vehicle is hooked to the sled. The complete OEM firewall and OEM floor pan is mandatory.

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•Brakes -- Four-wheel hydraulic brakes are mandatory.

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•Bumpers -- Front bumpers must be Unaltered Factory stock. No weighted front devices are permitted. This includes but limited to: Homemade bumpers, Brush Guards, "Ranch Hand" type bumpers & winches. Lower brackets (only) for snowplows frames are permitted so long as no modifications that would add weight are present. An unaltered decorative brush guard may be permitted at the option of the head tech officials. Final decisions rest with the tech officials. Trucks may NOT compete without a bumper.

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- Chassis -- The OEM chassis is mandatory. The engine must be in the OEM location for the body is used. The vehicle must retain the full OEM chassis. Wheel tubs, back-half conversions, tube chassis, etc., are prohibited.

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- Cooling System -- Radiators must be in the stock location and be of at least stock size.

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- Credentials -- All drivers must have a valid state driver's license.

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- Driveline -- An OEM transmission and transfer case is mandatory. They must have been an option on a one-ton or smaller pickups.

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- Engine -- The engine shall be stock appearing, OEM make- specific compression ignition engine.

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- Driver Restraint System -- The OEM restraint system is mandatory and must be worn.

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- Exhaust -- The exhaust must exit rearward of the driver's compartment. Stacks exiting through the hood or fender well are prohibited.

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- Fuel -- The fuel must be pump #1/#2 diesel only. Soy/Bio-diesel fuel is permitted. Off-road diesel fuel is prohibited.

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- Nitrous Oxide -- Is PROHIBITED along with other oxygen extenders and the use of PROPANE is also PROHIBITED. All system components MUST be removed.

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- Fuel Injection Pump -- The fuel injection pump is limited to a stock-appearing, OEM engine model-specific pump only. The use of multiple high-pressure common-rail pumps is prohibited. Powerstroke engines with a single factory turbo may utilize a second HPOP. Pumps from different years in the same engine model may be interchanged.

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- Fuel System -- The OEM fuel tank is mandatory and must be used. Racing fuel cells are prohibited and must be removed from the vehicle.

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- Harmonic Balancer -- All engines turning 4500 RPM and higher must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1.

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•Hitch -- The hitch must be a receiver-style hitch; reinforcements are permitted. Reinforcements must not extend forward of the centerline of the rear axle or to the axle housing itself. Trick hitches are prohibited. The hooking point must be the rear-most point on the vehicle and must be rearward of the stock location of the tailgate. The hitch must be horizontal to the ground and stationary in all directions. Bumpers may be notched or removed. The hitch's height from the ground may not exceed 26 inches on 4wd units and 30 inches on 2wd units. The hooking point must have a minimum 3.750-inch inside diameter opening for the sled hook. The hooking point will be measured to the center of the clevis loop.

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•Interior -- A complete interior, including dashboard, door panels, headliner, etc., is mandatory. Two matching front seats are mandatory. Aftermarket seats are permitted; they must be fully upholstered. All factory controls (lights, signals, horn, windows, wipers, etc.) must be retained and be operative. The use of hand-throttle controls is prohibited.

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•Rear End -- Non-OEM rear-end housings are prohibited. It must have been an option on a one-ton or smaller pickup. Rear axle bolts must be covered by a cap or shield.

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•Steering -- The vehicle must retain the full, original OEM steering gear. The vehicle must retain the original OEM power steering assistance, if it was so equipped. Additional stabilizers are permitted. Non-OEM power assist methods are prohibited.

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•Street Equipment -- Complete headlight and taillight assemblies (all) are mandatory and must be operative. Complete OEM windshield and windows are mandatory. Windows must be operative per factory specifications; that is, they must open and close via OEM electrical or mechanical means.

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•Suspension: Front -- The upper mounting point for strut assemblies must be in the factory location. Adjustable caster/camber pillow ball mounts are permitted. The lower control arm may be strengthened provided factory-mounting points to chassis are maintained. The lower mounting point for the strut assembly may be modified for improved caster or camber. Strut tower braces, lower tie bars, sway bars, and limit straps are permitted.

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- Suspension: Rear** -- An OEM-style suspension is mandatory. Lowering or raising the vehicle height with suspension modifications is permitted. All OEM suspension mounting points must be retained and used. Sway bars, limit straps, and camber kits are permitted. The rear suspension must maintain a full compression shock travel. All rear suspensions must use at least one working shock absorber per wheel. No Limiting blocks or lock out.

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- Tires** -- The tires must be DOT street tires. Cut tires are prohibited. Dual wheels are permitted only on trucks with a specific OEM bed designed for this application. Maximum tire width for dual wheels is 14 inch total.

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- Transmission: Automatic** -- Non-OEM transmissions are prohibited. Aftermarket torque converters, valve bodies and internal components are permitted. Transmission brakes are prohibited. Any non-OEM floor-mounted automatic transmission shifter must be equipped with a spring-loaded positive reverse lockout device to prevent the shifter from accidentally being put into reverse gear. A functional neutral safety switch is mandatory. All transmission lines must be metallic or high-pressure-type hose. All vehicles with engines running 4500 RPM or more and using an automatic transmission must be equipped with a transmission shield meeting SFI Spec 4.1 and must be labeled accordingly. A blanket-type shield is permitted; it must be appropriately labeled as meeting SFI Spec 4.1 and it must extend from the rear of the block to the front of tail housing with a minimum 6 inch overlap where it is fastened. All non-blanket type shields must incorporate two (or one, per manufacturer's instructions) 3/4 inch by 1/8 inch straps that bolt to the shield on each side and pass under the transmission pan unless the transmission pan is labeled as meeting SFI Spec 4.1. All vehicles with engines running 4500 RPM or more and using an automatic transmission must be equipped with a flex plate meeting SFI Spec 29.1 and be covered by a flex plate shield meeting SFI Spec 30.1.

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- Transmission: Manual** -- Non-OEM transmissions are prohibited. Aftermarket internal components are permitted. A clutch meeting minimum SFI Spec 1.1 or 1.2 is mandatory on all vehicles with engines running 4500 RPM or more. All manual transmissions must be clutch assisted. Sequential shifters are prohibited. All vehicles with engines running 4500 RPM or more and equipped with a manual transmission must have a flywheel shield labeled as meeting minimum SFI Spec 6.3 or greater. Applications for which an SFI Spec Flywheel shield is not available may use a properly attached SFI 4.1 or 4.2 blanket that completely covers the bell housing; it must be attached to the block and extend rearward to the transmission with a minimum 6 inch overlap where it is fastened.

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- Transfer Case** -- Non-OEM transfer case are prohibited. The transfer case must have been an option on a one-ton or smaller pickup truck.

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- Tuner** -- A single tuner (Edge, Bully Dog, etc.) is permitted.

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- Turbocharger -- The turbocharger is limited to a stock-appearing, OEM/Factory make-specific charger only. Turbochargers from different years in the same make may be interchanged, no adapters to accept other model turbo. 6.4 liter Powerstroke engines may utilize the factory twin turbo configuration. Any cut, notched or etc. of the turbo wheels/blades will result in a disqualification. Turbo housing must be unaltered OEM/Factory with no provision made for extra air flow and/or machining to allow larger turbo wheel in the housing. No busing of the inducer is permitted. Aftermarket wheels in a stock unaltered housing are permitted. Failure to allow for turbo inspection will result in immediate disqualification. Any truck disqualified for this reason will be required to undergo a compete super tech prior to any further completion. Absolutely no refunds for any illegal turbo found after the class has pulled. NOTE: IF YOU TRUCK CONSISTENELY RUNS IN THE TOP THREE PLACES YOU WILL BE CHECKED.

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- Water Injection -- Water injection is prohibited. All system components must be removed from the truck.

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- Wheelbase -- The vehicle must retain the original factory wheelbase and track width.

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- NOTE: A TEEL-TALE TACHOMETER or A COMPUTER DATA LOG MAY BE REQUIRED ON THE TRUCK (AT THE OWNER'S EXPENSE) IN ORDER TO PROVE THAT THE ENGINE IS RUNNING UNDER 4500 RPM AND THAT THE SAFETY EQUIPMENT IS NOT NECESSARY ON THAT TRUCK.

## EVENT OPERATION

DRIVER'S WINDOW MUST BE ROLLED COMPLETELY UP WHILE COMPETING. OTHER WINDOWS ON THE TRUCK MAY BE LOWERED. PASSENGERS ARE NOT PERMITTED IN THE TRUCK AT ANY TIME EITHER IN THE PITS OR ON THE TRACK.