

Badger Truck Puller Association 2024 Rules

ADMINISTRATIVE RULES:

1. There will be no entry fees for club members in Badger Truck Puller Association contracted pulls.
Membership dues: \$100 for truck registration (includes two pit passes)
\$50 for driver registration (one membership pit pass)
\$50 for second driver for registered truck (one membership pit pass)
There is a maximum of four passes allowed for any registered truck.
2. There will be a non-transferable single day hook fee of \$50 for non-member trucks that conform to the BTPA rules when pulling with BTPA at a sanctioned pull. There will be no awarding of points, but they will receive place money.
3. There will be a non-transferable single day hook fee of \$30 for all exhibition truck pulls for that hook only. There is no awarding of points or money for exhibition pulls. Trucks not conforming to the BTPA rules will be considered exhibition.
4. Entry fees will not be returned after class has started. Any truck or registered driver disqualified for any reason will forfeit their entry fee.
5. Track judges, committee personnel and club members are the only personnel allowed on the track during an event. Only track judges are allowed between the white lines when under the green flag.
6. Trucks will enter only once per class. No jumping classes allowed at sanctioned events unless class is below 10 trucks and at discretion of board.
7. Any pulls contracted after season begins will not be “points” pull unless members of the classes contracted are formally notified (written or verbal communication).
8. All trucks must be teched and pumped by BTPA tech official to receive any points or money for a pull. All trucks will be teched with at least one member from each class being present during tech inspection.
9. Each truck will be awarded 20 points when it is fully teched before the first date that the truck will first pull.
10. All trucks must be registered 1 hour prior to the start of the event.
11. Rule changes will be discussed at the fall meeting. All suggested rule changes must be submitted to the President two weeks prior to the meeting to be placed on the agenda. The members suggesting must be at the meeting to present their suggestion. Only members of each class will vote on suggested changes to the rules for their class. Only one vote per truck allowed. If a member is unable to attend the meeting, a copy of the suggested changes will be sent, and he can either send an absentee ballot in or give a proxy vote to another member. All votes on rule changes will be by ballot. A rule can only pass with a majority vote, if a tie, the rules does not pass. Any rule change discussed at the meeting whether passed or voted down cannot be brought before the members for consideration again for three years.
12. When the scale is functioning, but not accurate, the first two trucks per the pulling order of that day, determine the official weight of the scale at each individual event.
13. In order to drive a pulling vehicle during an event, the driver of the vehicle during the event must be a paid member of the club.
14. In case of rain out, 10 points will be awarded to those members in attendance for the event.

SAFETY RULES:

1. All Safety Rules apply to each BTPA class unless specified different under each individual class’s rules.
2. Non-sanctioned class safety rules are enforced by BTPA tech officials, board members and officers.
3. Any truck running without a competent driver in the seat in any area of the event will be disqualified.
4. Any truck driven in an unsafe manner in any area of the event will be disqualified.

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5. No passengers allowed in pulling vehicle during the event, if a board member or official is notified you will be disqualified.
6. Any towing vehicle not designed for 1 or more riders, shall not have 1 or more riders on at any time during the event.
7. Any alcohol or controlled substance abuse before or during the pull will not be tolerated and will result in immediate disqualification. Any driver consuming alcohol before he is done pulling or completing his track duties assigned for the day will automatically be disqualified and lose all points and money accumulated from that days pull.
8. Seat belts are required in all classes of trucks and must be worn.
9. DOT approved helmets must be worn by all drivers and secured properly.
10. All drivers must wear a full 1 piece or 2-piece single ply SFI certified fire suit.
11. All trucks must have a two (2) pound minimum charged B; C type fire extinguisher mounted within easy reach of the driver.
12. All trucks must be equipped with a neutral switch, which must light at rear of truck near draw bar and in driver's compartment. Trucks must not start in any gear but neutral. Neutral safety switch cannot be activated by the clutch pedal.
13. All trucks must have a master kill switch and a safety kill switch. Master switch must kill all electrical components after batteries. Master switch must be mounted in front of truck on the left side, easily accessible and visible. Safety kill switch must be mounted in rear of truck close to the draw bar within 6 inches of center and kill power to the engine and fuel systems. *
14. Harmonic balancer shield with tabs required (must be 1/4-inch steel minimum). Shield must restrain balancer in case of breakage. If balancer is SFI approved, only tabs are required.
15. All trucks must always have a functioning air cleaner on at all times during the pull. An air cleaner will consist of a top, filter and bottom plate and will be securely attached to the carburetor. **
16. An oil pressure accumulator if mounted in the cab must be shielded with .060-inch steel. Lines in and out must be steel braided. **

* See Pro-Street Diesel Rules ** Does not apply to Diesel class

GENERAL RULES:

1. All General Rules apply to each BTPA class unless specified different under each class's rules.
2. Allowing non-sanctioned classes at BTPA will be determined by officers and board members.
3. The rules in this section are for all classes that compete in Badger Truck Pullers Association's scheduled events.
4. All drivers must be 16 years old and have a valid driver's license. A driver under the age of 18 must have written permission from a parent or legal guardian.
5. Trucks will be inspected by Tech personnel before weigh-in time. All rules are subject to the interpretation of the consensus of the tech officials and/or officers. If any truck fails tech inspection it is the responsibility of the driver/owner to scheduled when the truck should be re-teched
6. All motors to be pumped during initial tech inspection to verify cubic inch. Pumping of motors after initial tech inspection for cubic inch displacement rule will be under Tech committee's discretion. **(Open Stock) If time does not allow motor to be pumped the valve covers will be removed and pictures of head will be taken to verify heads are legal.

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7. All motors must be sealed with a numbered cable type seal through two bolts. Attachment can be from head to intake, block to head, or intake to intake. The seals will be installed by the tech official after pumping motor is complete. The seal number will be documented on the tech sheet.
8. All trucks with the registered driver will weigh in before pulling. Track judges or committee personnel may inspect or re-weigh the truck and driver at any time. No adjustments may be made to the truck after weighing in and hitch height check are complete.
9. A puller has 3 minutes from the time the sled is ready for competition to get on the track and hooked.
10. First puller in class may re-pull in sixth or last position. Decision must be made by driver and reported to flagman before being unhooked from sled. If first truck does not make a considerable attempt to go at least 100 feet, the second truck will become the test hook. Badger officials will have final say. Each truck will be allowed a second attempt to pull the sled if competitor attempts to stop within 100 feet. If breakage occurs on the first attempt within 100 feet, the puller can make repairs and use second and final attempt in last position. This does not pertain to a pull-off situation.
11. In the event of a pull-off, trucks will pull in order that they originally pulled and have only one attempt to move the sled. If you cannot make the call for your turn in the pull-off, you will finish in the lowest position in the pull-off. A pull-off will consist of 5 trucks and a \$100 per truck fee will be added to the purse by the promoter.
12. No nitrous oxide, nitro methane, alcohol or pressurized fuel allowed. Oxygenated fuel allowed.
13. No trucks with dual wheels or chains allowed. Flatbeds allowed with thorough tech inspection. **
14. Trucks with standard transmissions must have SFI certified flywheel and bell housing, or approved scatter blanket around bell housing. (2018) Automatic transmissions must have SFI approved scatter blanket covering from back of engine to transmission tail shaft.
15. Engine must be located no less than 14-inches from any part of the rear of the block or front of the bell housing to the center of the front axle and between the frame rails. Trucks engine must be same manufacturer as truck. **
16. All driveline U-joints will have 360-degree shield of 1/4-inch aluminum or 1/8-inch steel minimum. All u-joint shields must be a minimum of 3 inches wide and have a maximum of 2 inches clearance from joint. Shields must cover the entire U-joint in order to restrain any broken parts. Drive shaft loops (2 per shaft) required and will be constructed with 1/4 -inch aluminum or 1/8-inch steel and mounted properly to contain shaft if breakage occurs. This includes the drive shaft between transmission and transfer case on a divorced setup. *
17. Drive line brake must be shielded 360 degrees with 1/8-inch steel or 1/4-inch aluminum.
18. A maximum of 133-inch wheelbase is allowed. *
19. Trucks must have a minimum of two brakes or driveline brake functional. *
20. Each truck will have a front tow hitch with a 3-inch hole not to exceed 6 inches from the front of the weight bar. Plate must be V'ed to a maximum of 18 inches at the point where it attaches to the weight bar. Material thickness is to be a maximum of 1-inch steel. This will not be counted as part of the overall length of the vehicle.
21. Size of rear hitch opening must be 3 ¾ inches by 3 inches wide. No pinned or welded on clevis allowed.
22. There will be no electronic traction control that alters any engine functions [including, but not limited to Davis Technologies, MSD8973, MSD Pro Grid, six shooter, MSD Programmable 6, MSD Programmable 7 or any other devices that can be computer programmed]. Factory sealed CD ignition boxes are allowed. Data acquisition is allowed, but there can be no connection to the ignition system. Tech officials and/or board will make final decision.
 - a. Any truck found to have traction control device will not be allowed to pull with BTPA indefinitely. Even if owner of the truck changes. Driver of the truck found to be in the violation will never be able

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to become a member and or driver with BTPA. Truck and driver's current membership will be revoked with BTPA.

- b. Any active member can protest a truck for traction control. There will be a \$500 fee for the protest. All classes of tech officials for BTPA will thoroughly go through protested truck. (Minimum of 4 tech officials) If found legal \$300 will go to truck being protested and \$200 split between tech officials. If found to illegal \$300 will go to BTPA and \$200 split between the tech officials. Tech officials can check at any time for traction control without paying a fee.
23. All trucks must have a catch can for radiator and vacuum pumps.
 24. Reasons for disqualification:
 1. Any safety equipment that fails and falls off the truck under the green flag will result in disqualification of that vehicle/driver. If safety equipment fails because of breakage during the pull, track judge will make final decision.
 2. Any failure of safety equipment to function while under the green flag.
 3. Any ballast that falls off the truck or touches the track while under the green flag.
 4. Any truck that goes out of bounds under the green flag will be disqualified. This does not pertain to test puller or if puller has attempted to stop before 100-foot mark.
 5. Un-sportsman-like conduct including abusive language, discussion with sled operator, attempts to sway an official's decision and/or physical action toward event official, fellow competitor or spectator by owners, drivers or pit crew will result in that member and/or truck being suspended from the day's event, losing event points and possible suspension for up to 13 months. An appeal may be made to officials and board after the pull.
 6. Unsafe operation of competition vehicle.
 7. Any condition considered unsafe or out of order.
 8. Intoxication including crew members, alcohol in competition area.
 9. Illegal equipment.
 10. Starting while the red flag is displayed.
 11. If any alterations are made to the pulling vehicle after inspection the truck must be re-teched before the next pull.
 12. If truck breaks away from the sled due to hitch failure
 13. If any part of the truck falls off the truck while on the track (green flag to red flag), not due to breakage.
 25. A pull is considered over once the truck is unhitched from the eliminator; therefore, penalties no longer exist. No exceptions on a floating finish.
 26. All protests must be reported to the tech committee. The protest will then consist of the complaining party, the tech committee and the person being protested. The problem will be discussed between the three parties,

a decision will be made, and all decisions will be final. If a truck is found to be in violation, it will be banned from that day's competition and could be suspended from pulling for up to 13 months.
 27. When a weather change occurs that impacts the quality of the track and gives one contestant an unfair advantage over another, the points will be awarded equally to each contestant in the class that ran. Prize money will be equally divided up among all members who have a truck registered for that pull in all

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classes. The decision of when to use this rule will be made by the officers and board members present at that particular event.

28. All sleds must be started in gear with the weight box moving forward, the sled pan even with the starting line and the wheels up before a sleds green light is turned on.
29. The out of bounds lines on each side of the track will extend the full length of the track.
30. After pull, truck must pull off the track and out of the way before shutting down unless breakage, to allow track equipment to prep for next puller.
31. If questions or concerns with a puller, a pulling vehicle or crew members, it must first be brought to the attention of the tech official, who then will report to the board, president, or vice president. Tech officials do not have the power to directly disqualify a puller, their vehicle or crew member. Any questions/concerns will be handled between a badger official and the entire class.

* See Pro-Street Diesel Rules **Does not apply to Diesel class.

OPEN STOCK FOUR WHEEL DRIVE RULES (6200 LBS):

All Badger Truck Pullers General and Safety Rules apply unless noted.

1. **Body and Interior:** Must have original factory fenders, fender wells, doors, box and floor. Front fender wells maybe cut to accommodate fender well headers. Must contain original factory glass. Must have a full-length dash. Cutting of interior structure is prohibited. Seat may be altered to a single racing seat. Must have stock front bumper. Any hood allowed with a 4-inch maximum hood scoop. Hood and scoop must cover entire engine. No S-10 or Ranger styles.
 - a. Floor in box must be original or factory replacement.
 - b. Hand throttle permitted.
2. **Frame:** Truck must have original factory frame that is one ton or less. Frame must match manufacturer of body and engine.
3. **Engine:** Engine must have factory cast iron heads and must be stock appearing. **No aftermarket heads allowed (2023).** Aftermarket cast iron blocks are allowed. Block must retain factory cam height and bore spacing. Maximum 482 cubic inches. No V-10's over 482 cubic inches. All carburetors must have 4150 style Holley base. **No 4500 series/dominators carburetor allowed (2023).** Any single four-barrel, single plain or dual plain intakes allowed. No tunnel Rams, PRO Rams or sheet metal intakes allowed. Spacers may be allowed only to accommodate short deck intake or tall deck blocks on Chevys. A maximum of 1 inch carburetor spacer allowed.
 - a. Engines may use aftermarket battery operated ignitions (no magnetos).
4. **Exhaust:** Trucks must have complete exhaust systems (headers or cast manifolds) with any type mufflers that extend past rear of truck's cab. No inner tube shielding. Maximum outer diameter cannot exceed 3 inches. Cast exhaust must be reduced within 30 inches of manifold outlet. Fender well headers will be allowed with header tubing before collector being a maximum of 1 7/8-inch outer diameter. Maximum of two collectors and outlets per truck allowed.
5. **Suspension and Driveline:** Trucks must have original factory suspension and wheelbase. Trucks must run one-ton drive train or less with one front axle, one rear axle, one transmission and one transfer case. All components must be stock appearing.
 - a. One pair of traction bars extending forward from the rear axle horizontal with the frame will be allowed and must be bolted, not permanently attached to the frame and rear end. Rear suspension must have 5 or more factory appearing uncut leaf springs that must be attached to factory perches in factory location. No cutting of leaf springs allowed. Suspension may be blocked with one removable vertically mounted block per side. Blocks must be directly above axle. When this block is removed the vehicle must be fully operational for pulling.

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- b. Front traction bar/devise allowed. The traction bar can only have two mounting points, one on the frame and one directly below the center of the front axle. No mounting of shocks, springs or other truck components allowed on bars. Bars cannot extend out past the center of the front axle and need to be horizontal with the truck. The front traction bars cannot extend past the cab. Multiple shocks are allowed. Shocks must be mounted within six inches of the center of the front axle.
 - c. [Any rear axle with OEM housing and OEM center section with aluminum hubs allowed \(2024\).](#)
6. **Fuel Tank:** Fuel tank may be in stock location but must be guarded with at least 1/8-inch steel or 1/4-inch aluminum. Fuel tank can be relocated to inside of box. Fuel tanks and fuel lines in cab area must be metal.
7. **Weight Box:** Weights may be mounted to the front of the truck but cannot exceed 60 inches from centerline of front axle. Weights must be secured during pull. No other equipment may be mounted on weight bar.
8. **Hitch:** Hitch must be rigid in all directions at all times. A hitch angle of 0 to 30 degrees maximum is allowed with no leeway. This will be measured from hook point to hitch attachment point on the frame. The rear hitch angle and length will be measured 1 inch above and below 26 inches. Draw bar and adjustment supports to be mounted to frame only. Draw bar length, measured from center of rear axle to hook point, will be a minimum of 36% of truck wheelbase. Steel hitching device will be no more than 1 1/8-inch thick, no less than 3/4-inch thick. Hitch height not to exceed 26 inches. It must be a visible, clear hook mounted in horizontal alignment. All hitches will have only one adjustable supporting point and it must be located no more than 6 inches from hook point. That supporting point, if mounted to frame, must be as vertical as possible with a leeway of 15 degrees at the rear most point of the frame if it is attached from above or below. If the attachment is to the rear end, it must be at or below the center point of the axle. Any part of the hitch cannot extend above the box floor.
 - a. All trucks must have centerline tab welded on rear-end housing (representing center of axle and to be approved by tech committee) to allow hitch length to be measured when hitch height is checked.
9. **Tires:** Only D.O.T. approved tires are allowed. Maximum size 35 x12.50 or the metric equivalent. Maximum 10inch rim bead to bead. If tire size is questionable, it will be checked with 50# of air in rear tire. No cutting or grooving allowed. If tire treads are offset, the centerline of front tires must run within the tread width of the rear tires. Syped tires allowed.

SUPER STOCK FOUR WHEEL DRIVE RULES (6200 LBS):

All Badger Truck Pullers General and Safety Rules apply unless noted.

1. **Body and Interior:** Trucks must have a stock outside appearance. Fiberglass bodies allowed. Driver's compartment must be FULLY enclosed with steel, aluminum, or a minimum of 1/8 inch lexon. There must be a complete fire wall. Driver's door must be fully operational. It must have factory windshield and rear cab glass. Side glass is optional. Hood scoops are allowed. Box floor may be eliminated. The top of box and tailgate area must be completely covered. It must have front inner fender wells and/or 1/8-inch steel or 1/4-inch aluminum engine side shields that are high enough to cover spark plugs.
 - a. Hand throttle permitted.
2. **Frame:** The truck must have OEM factory frame.
3. **Engine:** Truck's engine must be same manufacturer as truck. Maximum 535 cubic inch displacement.
 - a. Any single four-barrel carburetor allowed.
 - b. Any single four-barrel intake allowed. No Tunnel Rams, PRO Rams or sheet metal intakes allowed. Intake must be production cast and readily available to all competitors.

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- c. Engine may have any cast iron or aluminum head allowed, except Pontiac Big Chief, Olds Big Chief, Dart Big Chief, Brodix Big Duke, Ford E460. No pro-stock heads, hemi-heads. Chevy and Dodge can run any Siamese cylinder head, Ford can run any A or C style head.
 - d. Engine bore spacing must be OEM spec for the manufacturer of the truck.
 - e. Electrical fuel pumps, fans and water pumps allowed.
4. Exhaust: Open exhaust and open headers allowed. Exhaust must exit parallel to the frame, lower or through the hood.
5. Suspension and Drive Line: Trucks must have functional front suspension. Rear suspension may be welded solid. Blocking is allowed when springs are present. Traction bars and multiple shocks allowed. No altering the wheelbase. Maximum wheelbase 133 inches. Any single speed rear end allowed. Any single speed front axle allowed.
 - a. Rear end must be mounted solid, not with Watts links.
 - b. Aftermarket Pro-Fab style transfer case allowed with single speed gearbox. Stock manual transmission with Quick change style transfer case, no internal modifications and only one useable forward gear is allowed.
6. Clutch: Heavy duty clutches, stall converters and shift kits allowed.
7. Weight Box: Weights may be mounted to front of truck but cannot exceed 60 inches from centerline of front axle. Weights must be secured during pull. Fuel tanks and battery may be mounted on the weight bar.
8. Hitch: Hitch must be rigid in all directions at all times. A hitch angle of 0 to 30 degrees maximum is allowed with no leeway. This will be measured from hook point to hitch attachment point on the frame. Draw bar length, measured from center of rear axle to hook point, will be a minimum of 27% of truck wheelbase. Steel hitching device will be no more than 1 1/8-inch thick, no less than 3/4-inch thick. Hitch height is not to exceed 26 inches. It must be visible, clear hook mounted in horizontal alignment. All hitches will have only one adjustable supporting point and it must be located no more than 6 inches from hook point. That supporting point, if mounted to frame, must be vertical if the attachment is from above or below. If attachment is to the rear end, it must be at or below the center point of axle.
 - a. All trucks must have centerline tab welded on rear-end housing (representing center of axle and to be approved by tech committee) to allow hitch length to be measured when hitch height is checked.
9. Tires: Only D.O.T. approved tires are allowed. Maximum size 35 x12.50 or the metric equivalent. Maximum 10inch rim bead to bead. If tire size is questionable, it will be checked with 50# of air in rear tire. No cutting or grooving allowed. If tire treads are offset, the centerline of front tires must run within the tread width of the rear tires. Syped tires allowed.

PRO-STREET DIESEL RULES (8000 LBS):

All Badger Truck Pullers General and Safety Rules apply unless noted.

Weight: 8000 lbs. 26-inch hitch height

1. Weights: Ballast weight permitted. Front hanging weights are allowed and may not exceed 60 inches forward from the center line of the front axle. This will be measured from center of the front wheels to end weight assembly. Ballast weights are allowed in bed of truck. All weights must be securely fastened to the truck. No weights are allowed inside the cab of the truck.
2. Body: The body must be the OEM truck body, including the full floor in bed. The body must retain full sheet metal. Aftermarket hoods are permitted. 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.
3. Interior: Must have dashboard, door panels, and two matching front seats of choice.

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4. **Street Equipment:** Complete headlight and taillight assemblies (all) are mandatory. 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.
5. **Brakes:** At least two-wheel brakes or drive line brake mandatory.
6. **Chassis:** The OEM chassis is mandatory. **The engine must be in the OEM location for the chassis used (2024).** The vehicle must retain the OEM chassis. Wheel tubs, back-half conversions, tube chassis etc. are prohibited.
7. **Cooling System:** Factory or aftermarket radiators allowed. Must be mounted forward the firewall with a coolant catch can.
8. **Driveline:** An OEM transmission and transfer case are mandatory. They must have been an option on a one ton or smaller pickup. Driveline components can be swapped out between makes of trucks. This includes axles.
9. **Drive Shaft Shields:** Trucks must have at least six-inch-wide u-joint shields around all u-joints on rear driveshaft and any visible u-joint on front driveshaft. All shields must be constructed with ¼ inch steel or 3/8-inch aluminum that will safely contain the u-joint and that end of the driveshaft. All shields must be securely mounted to the vehicle.
10. **Engine:** The engine is limited to a stock-appearing. Engine can be interchanged between Dodge, Ford, and GM as long as they came in a 1 ton or less from the factory. Complete engine must have stock appearance except where otherwise noted in these rules. After market intake manifolds are allowed.
11. **Exhaust:** All trucks must be equipped to direct exhaust upward. **One set of two (2) 3/8" minimum grade 5 bolts in the horizontal portion of the exhaust pipe(s) within 2 inches of the exhaust flange. Bolts are to be installed at 90 degrees to each other and within one inch of each other. A second set of two 3/8" minimum grade 5 bolts in the horizontal portion of the exhaust pipe(s) with in two inches of the first set of bolts. Bolts are to be installed at 90 degrees to each other and are not overlapping the first set of bolts (2024).**
12. **Fuel:** **Fuel limited to diesel fuel; any diesel fuel allowed (2023).** No propane or Nitrous Oxide permitted or any other oxygen enhancers. All systems must be removed from the truck.
13. **Fuel Tank:** **Fuel cell can be mounted in any location, other than inside cab (2024). Mandatory guarded in factory location with at least 1/8-inch steel or ¼-inch aluminum (2024).**
14. **Hand Throttle:** Hand throttle is permitted.
15. **Fuel Injection:** Maximum of one P7100 pump limited to one plunger per cylinder. Dual high pressure common rail fuel pumps or HPOPs allowed.
16. **Hitch: Draw bar hitch:** **Hook point must be no closer than 27 % of wheelbase measured from centerline of rear axle to hook point (2023).** Recommended to have a tab welded on the top of the rear axle at the axle centerline to assist in measuring the hitch length. Hitch height maximum of 26 inches, with a minimum of a 3.75" x 3.0" minimum opening. Hitch point must be easily accessible. No "trick" type hithes permitted. Hitch must be frame mounted and stationary in all directions. Hitch must be mounted centerline or behind rear axle. Hitch must not exceed a maximum of 25-degree angle from pivot point to hook point. No hitch supports or adjusters, if fastened to the rear axle housing shall be above the centerline of the rear axle. No part of the hitch can protrude through the factory bed floor of the box.

Receiver Hitch: The hitch must be receiver style, reinforcements are permitted. Reinforcements must not extend forward of the centerline of the rear axle or to the axle housing itself. Hook point must be no closer than 27 % of wheelbase measured from centerline of rear axle to hook point. The hitch must be horizontal to the ground and stationary in all directions. Bumpers may be notched or removed. Hook point must have 3.75" x 3.0" opening. Maximum hitch height of 26 inches. Recommended to have a tab welded on the top of the rear axle at the axle centerline to assist in measuring the hitch length.

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17. Rear Axle: Non-OEM rear-end housings are prohibited. Axle must be from a one ton or smaller pickup. Rear axle bolts must be covered with a cap or shield. 2-wheel drive trucks are allowed any OEM style rear end. (Not restricted to one ton or less) Fabricated rear axles are prohibited.
18. Steering: Electric/hydraulic. Hydraulic/hydraulic or OEM steering permitted.
19. Front Suspension: The upper mounting point of strut assemblies must be in the factory location. The lower control arm maybe strengthened, provided factory mounting points to chassis are maintained. Strut tower braces, lower tie bars, sway bars and limit straps are permitted. Traction bars and devices are permitted. Airbags are prohibited.
20. Rear Suspension: Solid rear suspension permitted. An OEM style-style is permitted. Lowering or raising the vehicle height with suspension modifications is permitted. Traction bars and devices are permitted. Air bags are prohibited.
21. Tires (2024): Only D.O.T. approved tires are allowed. Maximum size 35 x12.50 or the metric equivalent. Maximum 12-inch rim bead to bead. If tire size is questionable, it will be checked with 50# of air in rear tire. No cutting or grooving allowed. If tire treads are offset, the centerline of front tires must run within the tread width of the rear tires. Siped tires allowed. Factory trucks are allowed but must be stock size for that year and model. No bolt on duals allowed. 2wd drive exempt (2024).
22. Transfer Case: Non-OEM transfer cases are prohibited. The transfer case must have been an option on a one ton or smaller pickup truck.
23. 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 using an automatic transmission must by equipped with a blanket-type shield. It must be appropriately as meeting SFI Spec 4.1 and it must extend from the rear of the block to the front of transmission main body, the bell housing area is to be completely covered six-inch overlap where it is fastened. All vehicles using an automatic transmission must be equipped with a flex plate meeting SFI Spec 29.1.
24. 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. All manual transmission must be clutch assisted. Sequential shifters are prohibited. All vehicles 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 six-inch overlap where it is fastened. A functional neutral safety switch is mandatory.
25. Turbocharger: Factory turbochargers, or any aftermarket turbochargers in a single or sequential configuration allow. All turbochargers and piping must fit under the hood of the truck and may not extend outside of the factory body line.
26. Water Injection: Water injection is prohibited. All system components must be removed from the truck.
27. Air to Air Coolers: Factory style or aftermarket air-to-air coolers allowed only. No types of water to air coolers, no use of ice, water cooled gas/vapor or spray bars allowed.
28. Wheelbase: The vehicle must retain the original factory wheelbase a track width. Maximum of 1 ton truck chassis only allowed.
29. Safety Kill Switch: Safety switch will be securely mounted to the back of the vehicle and have a two-inch diameter ring to attach to the sled. For mechanical injection engines only, air shut off is allowed, electronic or air is only allowed if it is an electronic injection engine.
32. Tech: 2 Techs to be present while trucks are being teched.

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33. **Engine Safety Cable:** For inline motors, engine must have cable surrounding block and head. Required to have minimum of 3/8" diameter safety cable around the first 2 cylinders through manifold area. Cable will have 4-6" of slack with minimum of 4 cable clamps at splice. Recommended to have second cable around the last 2 cylinders.

ALTERED STREET GAS (7000 lbs.) RULES:

All Badger Truck Pullers General and Safety Rules apply unless noted.

1. **General:** Vehicle must be licensed and insured, and driver must have valid driver's license. Vehicle can be trailered to the event. Officials have the right to reject any vehicle at any time.
2. **Tech:** Tech inspector has the right to recheck any truck at any time. Any person caught cheating will be disqualified for that event by the tech inspector.
3. **Safety:** Seatbelts must be worn during the event. DOT approved helmets must be worn by all drivers and secured properly. All drivers must wear a full 1 piece or 2-piece single ply SFI certified fire suit. Must have a two (2) pound minimum charged B; C type fire extinguisher mounted within easy reach of the driver. **Any truck with aftermarket intake or headers is required to have drive shaft loops and u-joint shields (2023). Required to have ignition kill switch at the back of the truck (2023). Shielding over OEM bell housing or steel scatter shield recommended (2022).**
4. **Body/Interior:** **Factory body panels or similar replacements (no fiberglass except hoods), complete truck bed (no cutting of floor), functional flat beds allowed (with discretion of tech and the officials) (2023). Must retain factory style interior (dash, gage cluster, door panels, lights, etc.) (2022).**
5. **Tires:** Only D.O.T. approved tires are allowed. Maximum size 35 x12.50 or the metric equivalent. Maximum 10inch rim bead to bead. If tire size is questionable, it will be checked with 50# of air in rear tire. No cutting or grooving allowed. If tire treads are offset, the centerline of front tires must run within the tread width of the rear tires. Syped tires allowed.
6. **Weights:** **Additional weight secured, not visible on walk around inspection. No weighted bumpers/brush guards. No weights in cab. No hanging weights (2023).**
7. **Engine:** **Engine swaps allowed. Engine must be in factory location (2022). The truck body, frame and engine must all be of the same make (2022). Must have factory power steering pump and alternator (2022). No dry sumps or vacuum pumps (2022). Factory Turbo or supercharged vehicles allowed, must be a factory housing (2022). Must run an air cleaner on engine (2022). Max carburetor is 4150, no 4500 series (dominator) (2023). Any single four-barrel, single plain or dual plain intakes allowed. No tunnel rams, PRO rams or sheet metal intakes allowed. Spacers may be allowed only to accommodate short deck intake or tall deck blocks. A maximum of 1-inch carburetor spacer allowed (2023). Aftermarket cast iron block, factory bore spacing, factory cam height (2023). Any style cast aluminum head, no billet style head, no spread port/pro stock style head, no aftermarket hemi head, and no ford C head (2023).**
8. **Fuel:** **No nitrous or methanol, aftermarket fuel injection allowed (2022). Must have factory fuel tank or fuel cell in bed of truck (2022). No fuel cell underneath the truck (2022).**
9. **Exhaust:** **All exhausts must run through a muffler system (2022). No race mufflers (2022). Maximum of 2-inch header to 3-inch exhaust (2023).**
10. **Driveline:** **Must have front and rear working brakes (2022). No larger than 1 ton drivetrain (2022). Factory operational transmission and transfer case (no pro-fab, no special cut gears) (2022). Pulling clutches and stall converters allowed (2022).**

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11. Suspension: Truck must have OEM style suspension with additional leaf springs allowed, and lift kits allowed (2022). No clamping, bump stops, or rigid suspensions allowed (2022). Rear traction bars only allowed (2022). Clamping of leaf springs allowed (2023). Single traction bar, with single mounting point front and rear (2024). No additional traction modifier (2024).
12. Hitch (2024): Hitch height no higher than 26 inches. Size of rear hitch opening must 3 ¾ inches by 3 inches wide. No pinned or welded on clevis allowed. Reese style hitch acceptable, must be mounted in factory location, parallel to the frame. No permanent drawbar style pulling hitches. Hitch front should be furthest point on the rear of the truck. Hitch must be removable from truck. If hitch is adjustable for height, the pivot point must be after the receiver. No part of the hitch can be mounted on top of truck frame. No turn buckle adjustment (2024).