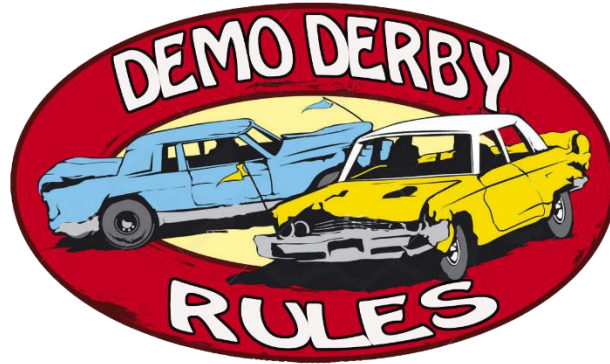


# 2019 Truck & SUV Rules for MOONDOG MOTORSPORTS



## RULE BOOK DISCLAIMER

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

## *THE MANAGEMENT OF MOONDOG MOTORSPORTS*



ANY QUESTIONS?  
CONTACT MOON AT (209) 566-4200

## 2019 Truck & SUV Rules for *(DIXON ONLY)* MOONDOG MOTORSPORTS

Our derbies are open to any full size American made ½ ton or ¾ ton pickup trucks or SUV's. Crew or King Cab trucks are

allowed. 4 X 4 trucks are allowed but you cannot run the front driveline. **No 1 tons!** No dually's or military vehicles. Stock truck beds only, no utility boxes. Previous ran pickup trucks are allowed, if they meet the rules.

Remove all glass, plastic, chrome, exterior mirrors, lights, grills, gas tanks, trailer hitches, rear seats and flammable material. All preparations must be done prior to coming to event.

We are an environmentally responsible promoter. We require that no antifreeze be used in your radiator, only water. Automatic transmission lines must be looped or ran to a cooler inside your truck. Stock gas tanks must be removed, these rules state require position and size. All drivers are responsible to clean their pit area before leaving.

**These items will result in your vehicle not being eligible to race:**

No siliconing, undercoating or painting of frames, interbody panels, inside tailgates, paint may only be on outside of vehicle body and bumpers. Your paint must be dry by inspection. Bumper height on new vehicles will be strictly enforced, you cannot manipulate any surface to gain height.

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### **Bumpers and Brackets**

- 1. You can use any 5 mph bumper or homemade bumper on any truck.**
  - Bumper seams may be fully welded. No filler rod is allowed.
  - Bumpers may be trimmed and/or flipped.
  - 1. Homemade bumpers may be made out of 4" W X 6" H X ¼ inch mild steel square tubing, must have open ends to see through. Bumper cannot go past the width of the fenders, and must be square with no sharp points on the ends. You may put a point on the square tubing metal, must be ¼ inch flat plate. Measure from the center of the square tubing 4 inch out from the center to start your point. The length of point may be a maximum of 12 inches per side. Must have 2 holes drill in it. The point must be hollow. Homemade bumpers cannot extended past the center (middle) of each front tire on either side. No point on rear bumpers.**
  - Bumpers may be installed using 6"L X 6"W X ½ inch thick flat mounting plates, must be welded to the bumper sideways then welded to the bracket. Plates may be welded to the brackets.
  - Brackets may be 14"L X 4"W X ½ inch thick flat plate or 14"L X 2" X 4" X ¼ inch thick square tubing/channel or 14"L X 4" X 2" X 3/8 inch thick angle iron.
  - Front bumpers may have two 12" L X 2" W X 3/16 inches thick flat strap. Straps must be vertical position and welded 3 inches to the bumper and 3 inches to the core support to help hold the bumper on.**
  - No angle/corner gussets on bumper brackets to the bumper.
  - Maximum length of homemade bracket must be 14 inches long front and rear.**
  - Homemade brackets may only be welded to the outside of the frame, unless they have a steering box on outside, you can weld them on inside of the frame.
  - 5 mph or homemade bumpers in rear of truck may be welded to the body up to 48 inches, ½ inch thick filler rod or 2" X 3/16 inch thick flat strap may be use, no added metal allowed.
  - Bumpers may be no higher than 21 inches from the bottom of the bumper. Used trucks bumper height; will be at the official's discretion.
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### **Radiator and AC Condenser**

- Radiators must be stock automotive radiators. Radiators must be brass, copper or aluminum.
- No homemade steel radiators or steam tanks.
- Radiator must be in stock position. Radiators may not be welded in.**
- Ratchet straps, bailing wire or bolts may be used to secure radiator. **No radiator protectors.**

5. You may only use one AC condenser in front of the radiator, if used.
6. The AC condenser may be bolted with 4, 3/8 inch thick bolts, with washers no bigger than 1 inch or welded 6 inches per side with 2" X 1/8 inch flat strap no longer than 3 inches and no more than 4 per AC Condenser.

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### Engine, Cradle and Transmission

1. Engine swaps are allowed. Engine set backs are allowed no more than 2 inches past firewall of truck.
2. You may cut a hole, 12"L X 12"W in the fire wall for the distributor. Hole must be properly covered.
3. You can weld 4" X 4" X 1/4 inch square tubing across frame rails to make a cross member to weld the motor to the square tubing can only be weld on the inside of frame rails not on bottom or top of the frame rails.
4. Full engine cradles with distributor guard, ultra bells and transmission brace are allowed and must all bolt on.
5. Cradles may only be welded to homemade cross member only not to the frame rails.
6. Transmission brace may only be bolted to cross member cannot be welded to body.
7. 2 head straps may be used must be straight down to frame rails cannot be kicked forward or backwards metal sizes cannot be no bigger than 2" X 2" X 1/4 inch angle iron or 2" X 2" X 1/4 inch flat strap welded to frame a maximum of 4 inches.
8. Electric fuel pumps are allowed, must a shut off/kill switch for fuel pump.
9. Transmission coolers are allowed. Must be mounted in cab area.
10. Homemade cross members are allowed maximum 2" X 2" X 1/4 inch thick square tubing. No bolting the cross member for the transmission to the body on a full frame truck.
11. Standard transmissions are allowed.
12. No transmission skid plates are allowed. No reinforcing of transmission. **Transmissions pans may be homemade with metal no thicker than a 1/4 inch and may not extend pass the transmission bolts. It may not connect to the ultra-bell, transmission tail shaft, and must be 2 inches from the cross member.**
13. Slider drive lines are allowed.
14. **Aftermarket gas or brake pedals and cable shifters are allowed. May only be bolt to the floor. Cable shifter may be bolt to the floor or transmission.**

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### Suspension

1. Stiff suspension is allowed. A-frames may be welded maximum 8 inches per side to the frame, with 2" X 2" X 3/16 inch flat strap on trucks with a arms.
2. **Center and sides of A-frame may be beat down and welded, if as along you are able to still see underneath it.**
3. Tie rods and drag links can be reinforced with metal. No welding metal in the springs to raise the truck. Spring/Twist spacers may be used.
4. **No re-enforcing suspension.** Suspension parts may be swapped if they bolt on and they must be stock truck parts.
5. **Aftermarket weld in ball joints and aftermarket tie rods are allowed. No aftermarket spindles.**
6. Leaf springs must be stock. No after mark springs or shortened springs if you are missing leaf springs you may use other leaf

springs equal to what's missing to replace what is missing

7. No leaf on top on main leaf. No extra leafs, no tape or welding on springs, no motor home leaf springs. No coil leaf conversion.
8. **4 spring clamps per spring are allowed front and rear, no wider than 2 ½ inches, no welding clamps to the frame. No welding leaf springs at all.**
9. **You may have 2 bump stops in the front and rear, no bigger than 2" X 2" X ¼ inches square tubing, welded to front axle to the frame and rear end to the frame with ¼ inch weld top and bottom must be vertical with no add metal.**

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### Hood

1. You can use 4 hood bolts with a maximum 6" X 6" X ¼ inch thick gussets, bolts may only be a maximum of 1 inch thick, washers may be no bigger than 4 inches and must be free floating.
2. If hood bolts are not used, 4 chains may be used, no more than ½ inch thick is allowed.
3. **2 All threads 1 inch thick with no pipe or square tubing may be used to replace front body bolts, and must go vertically through the hood. If you do not go through the body bolt location you may weld a maximum of 2 inches, with no filler rod or added metal to the side the frame next to the body bolts, then vertically through the hood. You may weld the all threads to the top of the core support with a 4" X 4" X ¼ inch flat plate only.**
4. **The 4 hood bolts or the 4 chains can be used in combination with the all threads.**
5. 8, 3/8 inch thick bolts, with washer no bigger than 1" inch are allowed to bolt the inner to the outer, when hole is cut out for headers and carburetor.
6. A hole is required in hood above the carburetor in case of a fire.
7. **No welding the inner to the outer of hood.**
8. **Hood must open for inspection.**

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### Safety Bars

1. Side bars are mandatory. 2 Side bars may be no bigger than 15" X 4" X ½ thick C channel, side bars may touch the fire wall and be welded to it and welded to rear of cab, if you are running 4 door truck or SUV side bars may go no further than middle of second door.
2. No more than 3 cross bars they may be no bigger than 6" X 4" X ¼ inch thick square tubing. One in front where the dash goes and must be at least 6 inches from fire wall. The other 2 bars must be placed behind driver's seat.
3. The front bars may have two kickers going to frame and welded to top of frame only, not to exceed center of front axle and must be not bigger than 2" X 2" X ¼ inch thick square tubing. Back cross bars may be connected to frame, welded to top of frame only with 2" X 2" X ¼ inch thick square tubing.
4. Halo bars are mandatory. Halo bars must be in a vertical position (90°). Halo bars may be welded to side bars or cross bars 2" X 2" X ¼ inch thick square tubing may be used as a bar. Halo bars may not be welded to roof and it may be bolted with for 4 - 5/8 bolts with washers. Halo bars above the cab must have 2 kickers from halo bar down to frame at an angle and must be weld to top of frame with 4" X 4" X ¼ inch thick plate under square tubing between front leaf spring hanger and rear end with 2" X 2" X ¼ inch square tubing. Same goes on SUV's, extra cabs for kickers and halo bar rule.
5. 2 front window bars are mandatory. Bars must be positioned in window seam area. 2 inch maximum material may be used

as a bar. You may use 4"X 4" X ¼ inch thick flat plate to mount the window bars and cannot connect to halo bars.

6. Driver's seat may be welded to the floor, and cannot be welded or bolted to the frame. No plate is allowed under driver's seat.
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### Batteries

1. 2 automotive type batteries are allowed for the motor. Motor batteries are only allowed on front passenger floor. Batteries must be properly covered.
  2. Third battery may be used for transmission cooler or electric fan only.
  3. Batteries must be securely bolted to the floor in a battery tray. No milk crates may be use.
  4. No welding battery tray to door bars. No bolting batteries trays to cross member or frame.
  5. **No battery trays can cover any body bolts.**
  6. Batteries must be properly covered.
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### Gas Tank

1. **Gas tank may be no bigger than 7 gallons.**
  2. Gas tank may be bolted or chained securely to the floor, but not to the frame.
  3. Gas tank must be placed in cab area not in bed area.
  4. **Gas tank must be bolted in securely before inspection or you will not run. ←SAFETY**
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### Doors

1. All doors may be welded solid with ½ inch thick filler rod or 2" X 2" X 3/16 inch thick flat strap.
  2. No extra metal or plate is allowed on the outside of the doors.
  3. **No welding the inside of the doors.**
  4. The window opening on the doors may be pinched and welded **or** you may use 2" X 1/8 inch thick flat strap to weld and fill the gap. If flat strap option is used you must drill a hole in it for the thickness to be measured.
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### Truck Beds, Tailgates and Rear Doors on SUV's

1. Truck Beds may be welded fully to the cab along the outside and the top with 2" X 2" X 3/16 inch flat strap.
  1. Tailgates and rear doors on SUV's must be welded with 2"X 2" X 3/16 inch thick flat strap and only trucks may welded inside of the tailgate with 2"X 2" X 3/16 inch thick angle iron, SUV's may not weld inside of back doors.
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### Rear end

1. **Rear end swaps are allowed, no one ton rear ends allowed must be only 8 lugs.**
2. **Aftermarket rear ends are allowed as long as they meet the rules.**
3. Rear end braces are allowed and can only be welded the rear housing, not to the frame or the springs.
4. Pinion brakes are allowed. Locked rear ends are allowed.
5. Shorting or lengthening trailing arms are allowed, for pinion angle.
6. Chaining rear end to frame is allowed, no welding chain to frame. No welding links together. Chain is only allowed one time around with bolts, not around body, no longer than four feet and half inch thick chain.

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### Tires and Wheels

1. No mud grips are allowed in rear of Truck or SUV. Wheel size may be no bigger than 16 inches.
  2. **Valve stem protectors are allowed. Valve stem protectors must be welded securely. ←SAFETY**
  3. **No zip screwing rims to tire. No bolting rims to tires. No bead locks.**
  4. Lug nut size may be no bigger than 1 inch.
  5. Wheels must be factory car wheels.
  6. Wheels may not be reinforced.
  7. You cannot have homemade centers on rims. Universal centers are allowed, must not go passed a half inch pass bolt holes, may be welded in with no filler rod or added metal.
  8. Wheel seams may be welded and shorten down to 5 inches with no filler rod or added metal.
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### Fender and Quarter panels

1. Fenders may be cut out.
  2. Fenders are allowed to have 4, 3/8 inch thick bolts, with washers no bigger than 1 inch above the tire to secure the inner to the outer.
  3. Quarter panels may be cut out and rolled.
  4. Quarter panel are allowed to have 4, 3/8 inch thick bolts, with washer no bigger than 1 inch.
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### Body and Frame

1. All body bolts may be replaced with 5/8 inch bolts with 6"X 6" X ¼ inch thick flat plate as washers. All top body washers may be welded down with ¼ inch thick weld. No bottom washers can be welded.
  2. **Frame repair is allowed, up to 12 inches per side (left and right side of TRUCK or SUV) no bigger than ½" X 4 inch flat strap or plate, must be at least 2 inches back away or 2 inches across from the bumper brackets in the front and rear. If the plate is across from the bumper bracket, it must go towards the firewall not forward. You may break up the plate however you want as long as there is no more than 12 inches per side (left and right side of TRUCK or SUV). Frame repair must be on inner side or outer side of the frame only; you cannot place plate on top or bottom of the frame. Plates may be not bigger than 4 inches tall and must be kept vertical.**
  3. No pinning the frame or running bolts through existing holes.
  4. Frame notching is allowed. **No welding the body to the frame. No shaping**, hammering of the body or bed on fresh TRUCKS or SUV is allowed. No folded bed rails or tailgates.
  5. **Frame cannot be painted or any undercoating painting underneath vehicle.**
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### Rust Repair

1. Floors may be repaired with metal the same thickness as it is originally, overlapping of repair may only be up to 1 inch pass the rust spot.
  2. If you have any other rust repair issues then mentioned above, please contact officials.
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### Safety

1. Full face helmets are required.

2. Minimum of 1 lap belt is required. Four point harnesses are allowed.
  3. Long sleeve shirts and pants are required. No short sleeve shirts or shorts are allowed.
  4. You must have a fire extinguisher on hand in pits.
  5. **No alcohol, fire arms, or drugs are allowed in the pits. Zero tolerance will be used.**
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#### TRUCKS and SUV numbers

1. **Driver and passenger sides of TRUCKS and SUV must have number visible, minimum of 16 inch tall.**
  2. Roof signs are allowed, and not required.
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#### Disqualifications

1. Teaming will result in disqualification for all parties.
  2. Sandbaggers will be warned first time with flag; second time will result in disqualification.
  3. Driver door hits are not allowed, first time will be a flag warning, and second time will result in disqualification.
  4. We have a 2 fire rule. Will be discussed at driver's meeting.
  5. **If vehicles do not pass re-inspection after main event, it will result in disqualification and suspended for a year.**
  6. Un-sportsmen like conduct may result in disqualification.
  7. Being timed out for more than 2 minutes, you will be required to shut off.
  8. **Drinking or fighting in pit area drivers or pit crew at any time will be kicked out suspended for year.**
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#### Inspection/Tech

1. **You will have 2 chances to pass through tech.**
  2. **If your vehicle is not ready to pass after second tech, you will not be allowed to race.**
  3. **Driver and 1 pit member are allowed to be in the inspection area.**
  4. **Your paint must be dry before your vehicle goes through inspection.**
  5. **If you are in the money be prepared to have your car pulled out of the arena and be ready for post derby inspection. Please have your torch ready and available.**
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#### Disclaimer

1. **If it is not stated in these rules, it is not allowed.**
2. Please call **Moon at 209-566-4280**, if you are unsure about rules.
3. Please do not assume any rules; it may result in disqualification of your car to race.