

# WORK STOCK DIESEL 4WD 8500

Rules pulled from <https://mittpulling.com/work-stock-diesel-4wd8500> on June 12, 2024.

1. MITTP rules apply at MITTP events.
2. 8500# WORK STOCK DIESEL 4x4 trucks may be entered only once per class.
3. #8500 WORK STOCK DIESEL 4x4 Trucks certification will be conducted at the same time and place as all other MITTP competing vehicles.-Raising of hoods on the 8500# WORK STOCK DIESEL 4x4 Trucks will be required at every UPA event for tech officials.
4. The WORK STOCK (WS) class is designed for street legal, on the road pickup trucks (Full bodied diesel pickup trucks).
5. Valid registration and license is mandatory.
6. WEIGHT: 8500# weight with driver included. 8500# weight with a 50 lb grace with the driver.
7. BALLAST: Front weight abracet and suit case weights are permitted. No weight boxes. No weights in cab. Weights in bed must be secured. They may not exceed 60" from the center of the front axle.Loss of weight under green flag will result in disqualification.
8. BATTERIES: The batteries must be securely mounted. They may not be located in the driver's compartment or forward of the radiator core support.
9. BODY: The body must be an OEM truck body, including the full bed floor. The body must retain full 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 complete OEM floor pan are mandatory. Stock appearing front bumper.
10. BRAKES: Four-wheel hydraulic brakes are mandatory.
11. CHASSIS: The OEM chassis is mandatory. The engine must be in the OEM location for the body used. The vehicle must retain the full OEM

Chassis. Wheel tubs, back-half conversions, tube chassis etc. are prohibited

12. COOLING SYSTEM: Radiators must be in the stock location and be at least stock size.
13. CREDENTIALS: All drivers must have a valid states driver's license.
14. DRIVELINE: An OEM transmission and transfer case are mandatory. They must have been an option on a one-ton or smaller pick-up.
15. DRIVERS RESTRAINT SYSTEM: The OEM restraint system is mandatory and must be worn.
16. DRIVESHAFT LOOPS: All trucks must have at least six-inch-wide U-joint shields around the rear U-joint constructed of at least  $\frac{1}{4}$  STEEL or  $\frac{3}{8}$  ALUMINUM that will safely contain the U-joint and the end of the rear shaft. All shields must be securely mounted to the vehicle. All Front Shaft U-joints that are visible from the side of the truck must be shielded to contain the U-joint and the end of the shaft. Both front and rear driveshaft must have driveshaft loops.
17. ENGINE: The engine is limited to a stock- appearing, OEM make-specific compression ignition engine. The engine is limited to any diesel engine available in a one-ton or smaller pick-ups; I.E. transplanting a Cummins engine into a ford is allowed.
18. EXHAUST: All vehicles must be equipped to direct the exhaust upward. The exhaust must exit rearward of the driver compartment. Stacks exiting through the hood or fender well are prohibited. Two  $\frac{3}{8}$ -inch diameter bolts must be installed through the exhaust pipe in a cross pattern within an inch of each other as close to the turbo as is practical.
19. FIRE EXTINGUISHING SYSTEM: A fire extinguishing system is permitted. It must be securely mounted.
20. FUEL: The fuel must be pump #1 or #2 diesel only. Soy/bio-diesel fuel is permitted. Off-road diesel fuel is prohibited.
21. FUEL INJECTION PUMP: The fuel injection pump is limited to stock appearing, OEM engine make-specific pumps only. The use of multiple high-pressure common-rail fuel pumps is allowed. 6.0 and 7.3 Power

Stroke engine may utilize a second HPOP. Pumps from different years in the same engine model may be interchanged. Dual CP3 pumps are allowed.

22. FUEL SYSTEM: The OEM fuel tank is mandatory and must be used.

Racing fuel cells are prohibited and must be removed from the vehicle.

23. HITCH: The hitch must be a receiver-style hitch; reinforcements are permitted. Reinforcements must not extend forward of the center line of the rear axle. Trick hitches are prohibited. Trick hitches will be determined by the tech officials. The hooking point must be the rear-most point of the vehicle and must be rearward of the stock location of the tailgate. The hitch must be horizontal to the ground and minimum 3.750-Inches inside diameter opening for the sled hook. The hooking point will be measured from the center of the clevis loop. Reese receiver with solid square shaft, clevis' are allowed if using DMI or solid shaft. Breakage of the hitch is a disqualification with no measurement recorded.

24. INTERIOR: A complete interior, including dashboard, door panels, headliner, etc. is mandatory. All factory controls (lights, signals, horn, windows, wiper, etc.) must be retained and operative. The use of hand throttled controls is prohibited.

25. KILL SWITCH: All trucks must be equipped with a rear functional breakaway kill switch.

26. REAR-END: Non-OEM rear-end housings are prohibited. The rear-end must have been an option on a one-ton or smaller pick-up. Rear axle bolts must be covered by a cap or shield.

27. STEERING: The vehicle must retain the full, OEM steering gear. The vehicle must retain the original OEM power steering assistance, If it were so equipped. Additional stabilizers are permitted. Non-OEM power assist methods are prohibited.

28. STREET EQUIPMENT: Complete headlight and taillight assemblies (all) are mandatory and must be operative. Complete OEM windshields and windows are mandatory. Windows must be operative per factory

specifications; that is, they must open and close via OEM electrical or mechanical means.

29. SUSPENSION FRONT: The upper mounting point for strut assemblies must in factory location. Adjustable caster/camber pillow ball mounts are permitted. The lower control arm may be strengthened providing factory mounting points to chassis are maintained. The lower mounting point for strut assembly may be modified for improved caster or camber. Strut tower braces, lower tie-bars, sway bars, and limit straps are permitted. Traction bars and devices are permitted.
30. SUSPENSION REAR: An OEM-style suspension is mandatory. Lowering or raising the vehicles height with suspension modification is permitted. Traction bars and devices are permitted; they must be bolt-on only; welds are permitted for attachment to frame of axle housing. Control arms may be strengthened or replaced, provided all original mounting points are retained. All rear suspensions must use at least one working shock absorber per wheel. Removable blocks are allowed.
31. TIRES: The tires must be DOT street tires. Cuts are prohibited. The maximum size for tires is 35". If running duals, the maximum size is 33". If running duals, a dually bed is required.
32. TOW VEHICLES: Tow vehicles are prohibited; I.E. you are not allowed to pull the vehicle up to the pulling track with an ATV.
33. TRANSFER CASE: Non-OEM transfer cases are prohibited. It must have been an option on a one-ton or smaller pick-up truck.
34. TRANSMISSION AUTOMATIC: Non-OEM transmissions are prohibited. Aftermarket converters, valve bodies and internal components are permitted. Transmission brakes are prohibited. Any non-OEM floor-mounted automatic transmission shifter must be equipped with spring-loaded positive reverse lock out device to prevent shifter from accidentally being put into reverse gear. A functional neutral safety switch is mandatory.
35. 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.

36. TURBOCHARGER: Open S300 Borg Warner-T4 foot max with T4 bolt pattern. Must be Borg Warner front to back. No billet center sections. No cut/welded exhaust housing or compressor housings. 4 inch compressor inlet. Exhaust must be visible for inspection. Stock appearing. single stock appearing. May run borg Warner S300 center section. No billet centers. Recast covers allowed must be OEM dimensions. No S400 parts allowed. 6.4 power stroke turbos must be stock appearing.
37. WATER INJECTION: Water injection is prohibited. All system components must be unplugged or removed from the truck.
38. NITROUS OXIDE: Nitrous Oxide is prohibited along with other oxygen extenders and use of propane is prohibited, along with all injectables. All system components must be unplugged or removed from the truck.
39. WHEEL BASE: The vehicle must retain the original factory wheel base. Dual wheels MUST be covered by a factory dually bed or an aftermarket flat bed.
40. 8500# WORK STOCK DIESEL 4x4 TRUCK PULLERS WITH A LEGAL VEHICLE WILL BE ALLOWED 2 GRACE HOOKS WITHOUT DRIVE SHAFT LOOPS AND VERTICAL EXHAUST.
41. If you do not fit within these rules, you may still pull exhibition in this class.