

8500LB Modified Street Diesel 4x4

1. ALL GENERAL RULES APPLY. This class is designed for Modified Streetable Diesel Pickups
2. Weight 8500 lbs maximum
3. **Ballast:**
 - 3.1. No hanging of front weights is allowed.
 - 3.2. No weights in the cab. Must be placed in the box.
 - 3.3. Aftermarket front bumpers allowed, any homemade bumpers will be at the desecration of tech officials.
4. **Chassis/ Driveline:**
 - 4.1. The OEM chassis is mandatory.
 - A) 1 ton or less.
 - 4.2. 4 wheel factory working brakes.
 - 4.3. OEM Suspension.
 - A) NO AIR BAGS OR AIR SHOCKS.
 - B) Bolt in rear blocks allowed.
 - C) Stock style suspension only.
 - D) Lift kits allowed.
 - E) Rear traction bars allowed, must have a loop on the bar.
 - 4.4. OEM Transmission, Transfer case, and drive axles only.
5. **Tires:**
 - 5.1. Max 35 inch D.O.T. Approved Rims and Tires.
 - A) Sipping allowed.
 - B) Factory dually trucks may run no larger than 33/12.5 Tires.
 - C) No bolt on duals allowed.
 - D) No cutting, grooving or grinding allowed.
6. **Body:**
 - 6.1. The body must be the OEM truck body including the full bed floor.
 - A) Complete interior and all working components.
 - B) Fiberglass hoods and roll pans are permitted.
 - i All Fiberglass hoods must be shielded on the underneath side with sheet metal or aluminum skin a minimum of .060 thick.
 - C) A factory installed pickup bed or commercial style aftermarket bed must be installed.
7. **Batteries:**
 - 7.1. Batteries must be mounted In stock location.
8. **Engine:**
 - 8.1. Blocks must circulate coolant freely.
 - 8.2. All factory belt driven accessories must be retained and powered via the crankshaft by a standard serpentine or "V" belt.
 - A) NO Electric water pumps.
9. **TURBOCHARGER:**
 - 9.1. Single Stock appearing or S300 measuring 69mm or less in stock location.
 - A) No remote mounts.
 - B) Maximum T-4 flange. Must retain factory Map groove.
 - C) No smooth bore chargers.

- D) Factory 6.4 Ford is the only Twin Turbo Truck allowed.
- E) Chargers must run an air filter or manufactured inlet guard.
- F) 2nd Gen swaps allowed

10. Harmonic Balancer:

- 10.1. All engines turning more than 4500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.

11. Exhaust:

- 11.1. Vehicles are to be equipped to direct exhaust upward.
- 11.2. The exhaust must exit rearward of the driver's compartment. (Box stack or elbow)
- 11.3. Two 3/8 diameter bolts must be installed through the exhaust pipe in a cross pattern within 1 inch of each other, as close to the turbo as possible.
- 11.4. **No Hood Stacks.**

12. Cooling System:

- 12.1. Radiators must be in stock location and be of at least stock size. Electric cooling fans are permitted.

13. Fuel:

- 13.1. Multiple High pressure pumps allowed..
- 13.2. The fuel must be pump #1, #2 diesel or Soy/Bio diesel.
 - A) Fuel must be commercially available.
- 13.3. OEM Fuel tank must be used.
 - A) No propane, NOS, or water injection.

14. Hitch:

- 14.1. The hitch must be a factory receiver-style hitch. 3X3¼ hitch hole must be exposed at the rear of the vehicle.
 - A) Final decision of legality of all hitches resides with the head tech official.
- 14.2. Minimum of 44 inches from center of rear axle back.
- 14.3. Maximum 26 inch hitch height.
- 14.4. Bracing allowed, must be frame mounted and behind the centerline of the rear axle.
 - A) No Bracing from hitch to rear axle allowed.

15. Inter coolers:

- 15.1. Only air to air inter coolers are allowed.

16. Kill Switches:

- 16.1. An Electronic shut down that must kill power to electric fuel pumps.
- 16.2. Must be mounted within 12 inches and above the pulling hitch.
 - A) Switches will be tested.
 - B) Air shut off is recommended.

17. Safety Equipment:

- 17.1. All drivers must wear a helmet, and a single layer fire suit, jacket and pants.
- 17.2. Must carry a fire extinguisher in the driver's compartment.
- 17.3. All exposed u-joints must be shielded with ¼ steel or aluminum, along with axle bolts.
- 17.4. Full loops and shields required to pull for points.
- 17.5. Recommend a SFI 4.1 transmission or SFI steel bell-housing
 - A) OEM bell-housing with manual clutch must be covered with SFI 4.2 blanket
- 17.6. A one time grace may be permitted, per tech officials say.

18. Inspection: During tech inspection drivers must comply with all tech requests. Tech officials have final say.