

4.1 PRO STREET SEMI

- 1) Maximum 20,000# with the hitch. Hanging weight allowed, not extending past hook point. Weight not allowed inside cab or sleeper.
- 2) Maximum hitch height is 20". Hitch will be measured in the pull position with suspension inflated and limiting devices tight. Limiting device must be a chain, cable, or threaded rod, mounted on both drive axles to prevent the height of the frame from changing during the pull. Limiting device not required on rear axle if mounted solid. Failure of limiting device will result in a DQ. **(24)**
- 3) **Allowed to run current hitch or NTPA hitch for 1-year trial.(25)**

Current Rule- Hitch must pull from factory 5th wheel. Center of 5th wheel must be located in a position between the center of the front drive axle and the center point between the drive axles. There must be a minimum of 66" of unobstructed area from the center of 5th wheel forward to the first obstruction (cab, sleeper, toolbox, headache rack etc.) Hook point cannot exceed 7 feet from the center of the rear axle.

NTPA Rule- Drawbar must adjust between 16 and 20 inches. Drawbar must be mounted to the frame. Minimum drawbar length is 34 inches from center of the rear axle to the farthest point on hitch, and no longer than 30% of the wheelbase. Drawbar must be equipped with a 3x3.75 inch hole and free from any obstructions during hitching. Hook point may not be more than two inches from back edge of drawbar. Drawbar must be designed with a minimum of three inches of total material at any point. Pivot pin must be greater than one inch in diameter. No chains or cables permitted as drawbar.
- 4) Turbo: 4.195" inlet with maximum MWE groove of .250". MWE groove must be 90 degrees to the face of the wheel. Turbo will be measured with a 4.200 plug. Only exclusion is for non-altered factory twins in stock location.
- 5) SFI scatter blanket or 3/8" plate, Min. 16" wide surrounding flywheel housing required.
- 6) Steel flywheel required.
- 7) Harmonic balancer shielding required. Minimum shielding is a cross bar no farther forward than 1" in front of balancer to prevent balancer from walking forward. If crossbar is not mounted directly to block it must have 2 tabs facing rearward, extending as close to front of motor as possible. Tabs should be 180 degrees from each other and within 1" of balancer. Min. 1/4" thick steel and 2" wide. If front engine mount and crossmember do not extend below balancer, a 1/4" thick steel plate will need to be mounted below balancer. Plate must be large enough that in the event of breakage it would not allow balancer to fall on the ground.
- 8) Must have (2) 1/2" exhaust cross bolts within 1" of each other and as close to charger as possible.
- 9) Side shields required. Must extend from top of frame to the block/head mating line and cover the entire length of the block. Min. 1/8" steel or 3/16" aluminum.
- 10) 2 engine safety cables required. Front cable must be 1/2" diameter and located between cylinders 1&2. Second cable must be minimum 3/8" diameter and located between cylinders 2&3. Both cables must have 2 clamps per cable.
- 11) Any U-Joint visible from side of truck must be shielded. Shielding must be full 360 degree enclosure, minimum 6" long and 1/4" steel or 5/16" aluminum.
- 12) Driver must wear a DOT or Snell approved helmet.
- 13) Water injection allowed. **(24)**
- 14) Vehicle must have an air shutoff connected to hitch. A 2" steel ring secured with a 15# zip tie within 6" of hook point required.