

## 2025 Lonestar Caged Predator Rules

This Series utilizes the sealed stock engine rules Package, this rule set unifies Texoma speedway, MWRS winter Series, Great Plains Stampede Kart Track, Kam Kartway and all Lonestar caged predator series races under the same rule set

### General Rules:

1. Drivers aged 16 & up
2. Weight: 430LBS
3. All steel kart frame with cage and body
4. All Karts must be presentable and safe (proper 5 point seat belts, proper Aluminum seat, safety equipment), anything deemed by official to be unsafe or out of line with the spirit of the class will not be allowed to race
5. All karts must have their kart number large on the right side of kart either on Sail panel or Hood
6. Axle- May not protrude past the outside edge of wheels
7. Body- Can be fiberglass, carbon fiber, aluminum, No other materials can be used
8. Brakes- must be in working condition and driver must be able to fully engage brake pedal
9. Frame-must be caged kart, cage must be constructed of steel
10. Kill Switch- must be operable and fully disable engine
11. Nerf Bars-may not extend more than 3" outside edge of wheels
12. Numbers-Must be legible on both sides of kart, Kart must have a large number on the right side of the car either on the sail panel or hood
13. Seat- must be properly secured and maintain drivers position when racing
14. wheels- must not exceed 6" in diameter and can be steel or aluminum
15. Must be painted white and display kart number, must be properly bolted within the frame rails
16. Must run a muffler, Any type (RVL style suggested)
17. No Wings
18. Any Tires, No prep or wraps allowed

### Engine Rules:

1. Stock Harbor Freight Predator 212cc engine only (Hemi or Non-Hemi head okay).
2. Pump Gasoline only 91 octane or less. (no fuel additives of any kind allowed, no racing gas) -

#### **Tech item**

3. Must have chain guard.
4. Drum clutch only -**Tech Item**
5. Stock engine governor must remain inside engine but can be by passed. Oil sensor may be disconnected
6. Top plate, fuel pump, throttle linkage device are allowed.
7. Any header and muffler allowed must not be a safety issue. (RVL style suggested)
8. Can re-jet stock carburetor, no other modification allowed, must run stock plastic insulator and must be un-altered -**Tech Item**

9. Stock air box and filter only, air box must match the model of engine (hemi/Non-hemi), air box and filter Must remain stock and unaltered **Tech Item**
10. Valve cover can be removed to tap fitting for fuel pump.
11. Valve Train must be stock, unaltered, 10.8lbs valve springs, no shimming of springs, no ratio rockers -**Tech Item**
12. Blower cover and pull rope starter must remain stock and in working order.
13. Stock flywheel must be replaced with an ARC-6696 or PVL cast aluminum flywheel for safety reasons. No slotted flywheels, minimum weight is 3.5lbs, this **is a Tech item**.
14. Rod/crank/piston must be stock OEM for which ever predator model you are running (hemi or non-hemi)
15. Cylinder head must be stock OEM, NO HEAD swapping (non-hemi head on Hemi lower or vice versa) , No porting or polishing allowed, no other head work allowed
16. Head Gasket must be stock head gasket for the model you are running (hemi/non-hemi)
17. Coil must be stock ignition coil with the hard plastic boot, No after market plug wire or coil allowed
18. Spark plug- any plug is allowed

- **No other modifications outside or inside the engine are allowed.**

**Notice:** Predator engines must be brought to track in a sealed box to be sealed by Mike Engstrom or Tom Honkomp or (any other approved engine sealer official) in front of the purchaser. The cost to seal an engine is \$20.00.

**Seals:** will be run through side cam covers, and head fins to engine block. Seals are numbered and will be matched to that engine serial number. Seals must be intact and unaltered. If the seal is broken or looks damaged or tampered with, engine will be deemed illegal and will need to be re-sealed. **NO IF AND OR BUTS!!!!**

- Your Engine must be included on the Engine database to be considered sealed and legal to run, If engine info is not on list, engine will be deemed illegal and DQ will result.  
**MUST Have seals and engine be on list to run in a Lone Star Caged predators series event!!!**

### **Engine Protest:**

Engine protest may be done by any finishing driver of the nights A-main event. (protest form must be filled out) written protest and \$120 fee must be given to series official(Challenge tour events)/track official (regional events) within 10 minutes after the completion of the A-main event.

-If engine is found to be legal \$100.00 of the protest money will be forfeited to the protested party and \$20.00 will be retained by tech official to cover cost of resealing engine

- if engine is found to be illegal \$100.00 will go to the protesting party and \$20.00 will go to official performing inspection

**Protest denial:**

-First Denial: denial results in a 2 series race suspension (challenge tour) and or a 2 race suspension in regional competition (regional series) , loss of points for night plus 100 points docked from season championship (can be applied to both challenge tour and regional championship points within the region of the offense)

-Second Denial: Loss of season points, suspension for the rest of the season (applies to challenge tour and regional competition)