



**2023/2024**  
**ROSEBURG OUTLAW KART RACING**  
**CAGED CLONE RULES**

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# 2023/2024 Roseburg Outlaw Kart Racing Cage Clone Rules

(Junior Caged Clone & Caged Clone)

*Next Season will be required to run Tillotson 225RS Engine Package*

## 1. INTENT;

- 1.1. To provide a low-cost power source for attracting new or budget minded drivers.
- 1.2. To leave flexibility to motor package(s) while maintaining an equal performance level.

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## 2. ROSEBURG OUTLAW KART RACING;

- 2.1. Driver(s) and Team(s) are held accountable to all the rules set by the Roseburg Outlaw Kart Racing management at all times while at the facility and on the race-track.
- 2.2. Rule Changes can be made at ANY time upon the direction from: Race Director or Promoter.

## 3. DRIVERS;

- 3.1.1. Signed waiver required.
- 3.1.2. Rent or Register transponder at track check-in.
- 3.1.3. Operational Raceceiver's are mandatory for all drivers at all times. (Channel 454.0000)
- 3.1.4. Notify and receive approval by track officials of intent to compete prior to event.
- 3.1.5. Failure to adhere to requirements will result: not being scored and/or removal from event.

## 4. COMPETITOR GUIDELINES;

- 4.1. Driver(s) and Team(s) that post derogatory or harassing statements regarding officials, governing body or other competitors on any social media outlet are subject to penalty.

*\* Penalties are at the discretion of track officials and/or governing body.*

- 4.2. Any display of unsportsmanlike conduct on or off the race-track may result in:

- PROBATION.
- FINE.
- LOSS OF POINTS.
- SUSPENSION.
- IMMEDIATE REMOVAL FROM VENUE.
- ALL OF THE ABOVE.

FIRST OFFENSE: competitor may be placed on probation or fined.

SECOND OFFENSE: competitor will be suspended for a period of time determined by officials.

THIRD OFFENSE: competitor will be suspended indefinitely.

*\* If extreme situation, officials may choose to elevate penalties beyond what's listed.*



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- 4.3. Driver(s) and Team(s) observed verbally or physically assaulting other drivers, teams, spectators or officials are subject to penalty determined by officials.
- 4.4. Must draw starting pill at check-in before the designated time.
- 4.5. Must attend drivers meeting.
- 4.6. Competitors are expected to compete without endangering yourself or others.
- 4.7. Rough driving will result in docked position(s), fine or black flag.
- 4.8. Drivers will report to the scales and/or tech as directed by the track officials.  
*\* Failure to report will result in disqualification and will forfeit payout/points.*

## 5. SAFETY GEAR;

- 5.1. HELMET: appropriate and in operational condition with working face shield.
- 5.2. NECK RESTRAINT: appropriate neck restraint system that is in operational condition
- 5.3. SUIT: appropriate racing suit that is in operational condition.
- 5.4. SHOES: appropriate racing shoes that are in operational condition.
- 5.5. GLOVES: appropriate racing gloves that are in operational condition.
- 5.6. RACECEIVER: mandatory for all drivers so they may receive instruction from officials.



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## 6. CLASS STRUCTURE;

6.1. The following class structure chart is intended as a reference only.

Sanctioning bodies and organizations can alter the class structure to suit their protocol.

6.2. Be prepared to present a copy of birth certificate or driver's license upon request.

CLASS	AGE	WEIGHT	CONFIGURATION
JUNIOR CAGED CLONE	12 - 17 YEARS OLD	<b>TILLOTSON 225RS</b> <u>350 LBS.</u>  <b>PREDATOR 212</b> <u>350 LBS.</u>	- Meet age requirements. - D50/D55 Right Rear Tire. - Meet minimum weight rule.  <b>TILLOTSON 225RS:</b> Meet the Tillotson TPP-225RS Rule Book and running only the Tilly 212 Carb Slide.  <b>PREDATOR 212:</b> Stock and unaltered except removal of the governor.
CAGED CLONE	18 + YEARS OLD	<b>TILLOTSON 225RS</b> <u>415 LBS.</u>  <b>PREDATOR 212</b> <u>430 LBS.</u>	- Meet age requirements. - Meet minimum weight rule.  <b>UNDER 450LBS:</b> D50/D55 Right Rear Tire.  <b>OVER 450LBS:</b> Open Right Rear Tire  <b>TILLOTSON 225RS:</b> Meet the Tillotson TPP-225RS Rule Book.  <b>PREDATOR 212:</b> Open Engine running <u>0.615 Bore Carb</u> or <u>0.615 Restrictor Plate</u> required for all Predator Engines.

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## 7. TECHNICAL INSPECTION PRINCIPLE;

- 7.1. Unless these rules state that you can do it, you **CANNOT** do it.
- 7.2. All parts are subject to comparison with known stock OEM or approved parts.
- 7.3. Each team is solely responsible for maintaining and checking legality per this published rule set.

## 8. TECHNICAL PROCEDURE;

- 8.1. The technical procedure may be altered at any time by track officials.
- 8.2. After the Main Event, the Top 3 Finishers will proceed to the scales and then the designated tech area. At this point the kart will be considered “impounded” until released by officials.
- 8.3. Driver(s) and Team(s) may be required to assist with the removal of parts, oil drainage or general help to facilitate the technical inspection on their kart(s).

## 9. TECHNICAL ITEMS;

- 9.1. Items checked will include, but are not limited to:
  - 9.1.1. SAFETY; as specified under the Safety section (5).
  - 9.1.2. WEIGHT; as specified under the Class Structure section (6).
  - 9.1.3. RIGHT REAR TIRE; as specified under the Class Structure section (6).
  - 9.1.4. CARBURETOR; as specified under the Class Structure section (6).
  - 9.1.5. ENGINE; as specified under the Class Structure section (6).

## 10. TECHNICAL INSPECTION TOOLS:

- 10.1. SCALES; as provided by the track officials and/or governing body.
- 10.2. TIRE DUROMETER; as provided by the track officials and/or governing body.
- 10.3. CARBURETOR; No-Go Gauge as provided by the track officials and/or governing body.

## 11. FRAME & CAGE;

- 11.1. CAGE; Outlaw Kart Style.
- 11.2. CAGE; must have 2 inches or more of head room clearance.

## 12. WINGS;

- 12.1. No wings, air foils or non-approved panels allowed.



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## 13. WHEELS;

13.1. Any 5 inch or 6 inch diameter kart wheel.

## 14. TIRES;

14.1. Any brand of treaded design.

14.2. Grinding, Siping and Grooving is allowed.

14.3. No tire softeners allowed.

14.4. All competitors must run a D50 or D55 tire on the right rear, except;  
- Driver + Kart weighing 450 pounds or higher can run any right rear tire.

## 15. BODY WORK;

15.1. Cannot obstruct the drivers forward or peripheral view.

15.2. Cannot cover the driver's head.

15.3. Must be constructed of aluminum, high strength plastic, fiberglass or advanced composite.

15.4. Metallic material cannot be used for tail-cone or hood.

15.5. Side panel on right side cannot impede/block access to the engine.

15.6. Side panel on left side cannot impede/block access to the driver.

***- THIS RULE IS FOR YOUR SAFETY IN AN EMERGENCY SITUATION!***

## 16. GRAPHIC NUMBERS;

16.1. High Contrast preferred and must be legible to Scoring Officials.

16.2. Half Height letter may be added after the number. (Ex. 29w)

16.3. Required Graphic Dimensions:

- HOOD: Minimum of 6 inches tall and legible from 50 feet away.

- TAIL: Minimum of 6 inches tall and legible from 50 feet away.

- SIDE PANEL: Minimum of 10 inches tall and legible from 50 feet away.

16.4. Scoring Officials reserve the ability to deem a driver's number illegible at any time.

\* If this scenario occurs, the competitor will be asked to fix it by the next event.

\* If not fixed by the next event, the scorer's reserve the right to disqualify said driver.



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## 17. BUMPERS & NERF BARS;

- 17.1. FRONT BUMPER; must adequately protect the driver's feet.
- 17.2. NERF BARS; must adequately protect the kart from side impact.
- 17.3. REAR BUMPER; must adequately protect rear of kart.
- 17.4. REAR BUMPER; must have an upright bar designed for push vehicles.

## 18. WEIGHT;

- 18.1. JUNIOR CAGED CLONE; minimum kart and driver weight is 350 pounds.
- 18.2. CAGED CLONE; minimum kart and driver weight:
  - \* *TILLOTSON 225 - 415 pounds.*
  - \* *PREDATOR 212 - 430 pounds.*
- 18.3. Weight added to the kart must be securely fastened with a minimum of 5/16" bolt.
- 18.4. Weight attached to seat must use a large area "fender" washer.
- 18.5. Weight must be displayed on the engine shroud and/or top plate to aid track officials.

## 19. ENGINE CLAIMING;

- 19.1. No Engine Claiming at this time.

## 20. APPROVED ENGINES;

- 20.1. OHV Engines referred to as "Clones" with a maximum displacement of 212cc.
- 20.2. Current legal engines include, but not limited to:
  - Lifan
  - Grey Hound
  - Harbor Freight Blue
  - Harbor Freight Yellow
  - Jaing Dong
  - Yamakoyo
  - Blue Max
  - Ducar
  - Dupor
  - Predator (Hemi and Non Hemi)
  - Tillotson TPP-225RS

(Specs for Tillotson TPP-225RS - Section D: General #6 and Section C: Oil).



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## 21. GENERAL ENGINE RULES;

### 21.1. Intake Manifold:

21.1.1. Approved replacement RLV Intake Manifold, Part #ETT0837.

### 21.2. Engine Ignition Switch:

21.2.1. Ignition Switch and Wires must remain in the stock location.

21.2.2. Secondary or Remote Kill Switch may be added.

### 21.3. Fuel Tank:

21.3.1. Fuel Tank must be in adequate condition.

21.3.2. No Plastic Fuel Tanks allowed.

21.3.3. Fuel Tank must be secure and safely fastened to the kart.

21.3.4. Recommend remotely locating tank for safety reasons.

### 21.4. Fuel Pump:

21.4.1. Any pulse-type fuel pump is allowed and can pulse from the valve cover.

### 21.5. Crankcase Breather:

21.5.1. Crankcase Breathers are allowed, but must be vented to catch can.

### 21.6. Clutch:

21.6.1. Must be an engine-mounted shoe or drum style clutch.

21.6.2. No disk clutches allowed.

21.6.3. No axle clutches allowed.

### 21.7. Engine Governor:

21.7.1. Engine Governor may be removed.

### 21.8. Low Oil Sensor:

21.8.1. Low Oil Sensor may be removed.





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## 22. JUNIOR CAGED CLONE ENGINE COMPONENTS;

### 22.1. Tillotson 225RS:

22.1.1. Must meet all rules specified in the Tillotson 225RS Rule Book.

22.1.2. Must run the Tillotson TPP-212 Slide (Part #ETT0861).

### 22.2. Stock 212 Engines:

22.2.1. Must be unaltered OEM clone components unless otherwise specified and approved.

#### 22.2.1.1. Air Cleaner & Adapter:

22.2.1.1.1. Stock/Unaltered.

#### 22.2.1.2. Carburetor Isolator:

22.2.1.2.1. Must be an OEM unmodified isolator and installed in its original location.

#### 22.2.1.3. Carburetor:

22.2.1.3.1. Stock/Unaltered.

#### 22.2.1.4. Muffler/Silencer:

22.2.1.4.1. Stock/Unaltered.

## 23. CAGED CLONE ENGINE COMPONENTS:

### 23.1. Tillotson TPP-225RS:

23.1.1. Must meet all rules specified in the Tillotson 225RS Rule Book.

### 23.2. Open 212 Engines

23.2.1. Must be unaltered OEM clone components unless otherwise specified and approved.

23.2.2. Removal of unnecessary OEM items is permitted, such as:

- Exhaust System
- Air Cleaner
- Fuel Tank
- Governor
- Low Oil Sensor

#### 23.2.3. Welding or Epoxy Repair:

23.2.3.1. Permitted to the Block, Head and Side Cover; cannot enhance performance.



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## 23.2.4. Exhaust System:

23.2.4.1. Header must be round.

23.2.4.2. The end may be expanded to accommodate a muffler or silencer.

23.2.4.3. If no muffler, a safety ring must be present on the exhaust tip to prevent injury.

## 23.2.5. Carburetor:

23.2.5.1. Huayi/Ruxing style Carburetor only.

23.2.5.2. Choke assembly must be in place and functional.

23.2.5.3. Venturi .615" max diameter, must be round (checked with go/no-go gauge).

23.2.5.4. Jetting is open.

23.2.5.5. Filter and Filter Adaptor are open.

23.2.5.6. Any pulse-type fuel pump is permitted and can be pulsed from the crankcase, side cover or valve cover. Carburetor Dimensions will be checked with go/no-go gauge.

23.2.5.7. Plastic Carburetor Isolator must be unmodified and installed in its original location.

## 23.2.6. Fuel Tank:

23.2.6.1. It is recommended to use a floor-mounted tank; must be securely fastened.

## 23.2.7. Fuel:

23.2.7.1. No methanol, E-85, fuel enhancers or additives of any type.

23.2.7.2. No blending or mixing of fuels.

23.2.7.3. The use of specific fuel is required in all classes.

23.2.7.4. The specific fuel must pass any or all the following tests:

(1) visual - continuity meter

(2) gravity - gas, alcohol and water mix.

## 23.2.8. Connecting Rods:

23.2.8.1. OEM Cast Rod or Billet Stock Rod replacement okay; no modifications allowed.

23.2.8.2. OEM with Stock Stroke Length (plus or minus .005"); no alterations allowed.

## 23.2.9. Pistons:

23.2.9.1. OEM bore only; three ring design - all rings must be intact and functional.



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## 23.2.10. Flywheel and Ignition Coil:

23.2.10.1. Must use stock clone Ignition Coil, Plug Wire and Resistor Spark Plug Boot.

23.2.10.2. Spark Plug is open.

23.2.10.3. Flywheel must be from the approved list below at a 3.3-pound minimum weight limit with no modifications allowed.

23.2.10.4. Approved Flywheel List:

OEM Cast Iron ARC: 6619, 6625, 6626 - RaceSeng: RSP13075, RSP13077 - King: Billet Steel, Billet Aluminum Slipstream - Dyno: PVL aluminum flywheel type heads.

## 23.2.11. Cylinder Head:

23.2.11.1. OEM heads only.

23.2.11.2. Head gasket required; type and thickness are open.

## 23.2.12. Valve Train:

23.2.12.1. OEM Push Rods, Push Rod Guide Plates, Retainers, Springs, Keepers, Rocker Arms and Adjusters. OEM Valves with 45 seat angles only and no lightening or polishing.

## 23.2.13. Rocker Arm and Valve Springs:

23.2.13.1. Stock 1:1 ratio OEM Rocker Arms only.

23.2.13.2. OEM Valve Springs only with a maximum spring diameter of .798" (wire diameter .073" max) and a maximum tension of 10.8 pounds at .850" compressed height. Installed height of spring is .815" minimum with any spacers or seals.

## 23.2.14. Camshaft:

23.2.14.1. Stock appearing Camshaft Cores only with the ez-spin assembly unaltered and in stock condition. Max Intake lift is .240". Max Exhaust lift is .245". Readings are measured with a dial indicator on the Valve Spring Retainer with zero lash.

## 23.2.15. Fasteners & Gaskets:

23.2.15.1. Must retain their original factory size.

23.2.15.2. Heli-Coils, Studs, etc. allowed for repair purposes.

## 23.2.16. Starter:

23.2.16.1. Stock Pull Starter must be in place and functional.

