

Strasburg Hobbies

Dirt Oval Slot Racing Rule & Regulations

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General Rules

The framework for these rules came from the American Womp Racing Association Official Rules for 2018.

Marshalling

All racers are expected to corner marshal and or assist the race director if unable to corner marshal due to physical conditions or age. For safety purposes, we recommend the minimum age be 10 years old. This is left up to the track owner and parental discretion.

Track Calls

- The purpose of a “Track” call or “Rider” is under the following reasons.
- If your car comes out of the slot (track).
- If a car is in the slot and under power of another racer (rider).
- If a track or rider call is made during a race, the track power is cut off.

Track Operation Hours

The oval track will be open for practice during our regular business hours, excluding scheduled races on either the oval or drag strip.

Race and Qualifying

Qualifying will be the best recorded time out of 2 qualifying laps. Racing will be broken down into heats and mains. Racers will run in rotating segments in all 8 lanes. In the event of an equal number of laps completed, the racer with the most progress on the last incomplete lap when power is cut will be declared as the winner.

Race Fees

Class Fee: \$10 per car

Practice Fee: \$5 an hour or \$20 for the day. Free track time (for up to 4 hours) with a \$20 minimum purchase (to be used the same day of purchase). Practice will be free on race day for racers.

Race Etiquette

- No foul or abusive language.

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- Those found in violation will receive a warning by the staff a second violation will result in disqualification in the heat race and a third violation will result in the driver being sent home.
- No shouting.
- No intentional hitting, rough or irresponsible driving that demonstrates a deliberate disregard for other competitors and their equipment.
- No “head hunting” – deliberately crashing into an opponent.
- Do not distract other drivers whether in your race or while spectating.
- Be courteous to all racers, marshals, guests and shop personnel.
- Do not lean over the track in a manner that would block the other driver’s clear vision of the track.
- No car liveries can display any sexually explicit or otherwise distasteful wording or images.
- Do not climb on the track or driver stations
- Do not go under the track
- Do not set your controller on the track at any time
- Do not have drinks of any kind on or around the track
- All cars must run in the same direction

Tech Inspection

- Cars must be brought to the inspection table with the body off. After the body and chassis are determined to have passed, the body must be remounted at the table and must remain on the tech table through qualifying. Cars can be inspected any time throughout the race. The cars in the A Main event will be re-inspected after the race is complete.
- If a car fails tech for any reason, the racer does have the opportunity to correct the infraction before qualifying begins.
- If a car fails tech during the race and or after the race, the racer is disqualified.

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1/32 Late Model Class

Chassis

Parma Womp Steel #572
Champion Thumper #400
Riggen #5003

Parma Womp Brass #57
Champion Thumper #401

K&G Brute #16-02
LVJ Charger #002

Bracing is allowed. Gluing or soldering of axle bushings is permitted. Offset axle bushings are permitted. No ball bearings. No cutting, grinding or drilling holes in the chassis. Additional weight is permitted. LVJ chassis must have the front screws assembled with Lock-Tite (or equivalent) and be tight to the chassis.

Width & Wheel Base

- **Front Width:** 2.80" centered maximum with no offset or excessive slop.
- **Rear Width:** 2.75" centered maximum with no offset or excessive slop.
- **Wheel Base:** Maximum of 3 1/8" center to center of the axles.
- **Clearance:** .047 clearance measured from under the motors end bell and back including the crown gear.

Motor

SEALED JK Hawk Mini Brute #HMB

Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible. Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

- **Front:** 1/8" solid axle width and 3/4" diameter front tire. Tire width may be cut down to .400 width. No independent front axle combinations. Protrack wheels and tires only.
- **Rear:** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.

Gears

48 pitch only.

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Body

1/32 lexan late model bodies. Fenders may not be trimmed to excess. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof, doors, trunk or hood). Interior is optional.

If it not listed in the rules, you can not do it.

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4" Modified Class

Chassis

- Any commercial available 4" chassis.
- Bracing is allowed. Gluing or soldering of axle bushings is permitted. 1/8" adjusta bushings only. No cutting, grinding or drilling holes in the chassis. Additional weight is permitted on top of the chassis.

Width & Wheel Base

- **Width:** 3" maximum centered with no offset or excessive slop.
- **Wheel Base:** 4" center to center of the axles.
- **Clearance:** .030 clearance measured from under the motors end bell and back including the crown gear.

Motor

- JK Hawk 25
- Max motor RPM will be 30,000
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible. Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

- **Front:** 1/8" solid axle width and a minimum of .800 diameter front tire. Tire width may be cut down to .400 width. No independent front axle combinations. Protrack wheels and tires only. Front tires may be sealed.
- **Rear:** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.

Gears

- 48 pitch only
- 10 tooth pinion

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- Optional 30 or 31 crown gear.

Body

- Any commercial modified body, no specific brand required. It has to look like a dirt modified.
- Body must weigh a minimum of 20 grams

If it not listed in the rules, you can not do it.

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Dirt Oval Slot Racing Rules & Regulations

Super Late Model Class

Chassis

- Any 4" Rigid Chassis including home built.
- Any weight is permitted on top of the chassis.

Width & Wheel Base

- **Width:** maximum 3" wide with offset allowed. Tires cannot protrude more than 1/8" outside of the body.
- **Wheel Base:** 4" center to center of the axles on both sides.
- **Clearance:** .030 clearance measured from under the motors end bell and back including the crown gear.

Motor

- Sealed JK Mini Brute
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible (MB). Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

- **Front:** 1/8" solid or independent axle width and a minimum of .800 diameter front tire. Tire width may be cut down to .400 width. Protrack wheels and tires only. Front tires may be sealed.
- **Rear:** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- Tires cannot protrude more than 1/8" outside of the body.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.

Gears

- 48 Pitch Only
- Open gear rule

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Weight

- Total car weight must be a minimum of 200 grams, including body.
- Body must weigh a minimum of 30 grams.

Body

- Body must be commercial available. It must be a vacuum formed body. Door height will be a minimum of 1 ¼" mounted on chassis. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof and doors). Interior is required.
- Body must weigh a minimum of 30 grams.

****NOTICE**** If it not listed in the rules, you can not do it.

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Dirt Oval Slot Racing Rules & Regulations

WOMP Legends Class

Chassis

- Parma Womp Steel #572
- Parma Womp Brass #57
- K&G Brute #16-02
- Champion Thumper #400
- Champion Thumper #401
- LVJ Charger #002
- Rigger #5003
- H&R Womp #01
- Bracing is allowed. A brass front axle stiffener is permitted between the axle uprights. The axle stiffener may not be soldered in place. Gluing or soldering of axle bushings is permitted. Offset axle bushings are permitted. No ball bearings. No cutting, grinding or drilling holes in the chassis. Additional weight is permitted. LVJ chassis must have the front screws assembled with Lock-Tite (or equivalent) and be tight to the chassis.

Width & Wheel Base

- **Width:** 3 ¼" centered maximum with no offset or excessive slop. Width is to be measured by any commercially available manufacturer's tech tool (ex. Koford).
- **Wheel Base:** Maximum of 3 1/8" center to center of the axles.
- **Clearance:** .047 clearance measured from under the motors end bell and back including the crown gear.

Motor

- H&R Cobra 26,000 RPM Double Shaft
- Motor must not turn over 29,500 RPM.
- *In the event that we hold an actual AWRA Sanctioned Race, we will follow their motor rules.
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible. Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

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Tires & Axles

- **Front:** 1/8" solid axle width and 3/4" diameter front tire. Tire width may be cut down to .400 width. No independent front axle combinations. Protrack wheels and tires only.
- **Rear:** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.
- *In the event that we hold an actual AWRA Sanctioned Race, we will follow their tires and axles rules.

Gears

- 9 tooth pinion with a 27 tooth crown gear
- *In the event that we hold an actual AWRA Sanctioned Race, we will follow their gears rules.

Weight

Car must weigh 127 grams minimum.

Body

Any commercially available legends style full fender coupe, sedan or coach (1940 style or earlier) wimp body. Running boards cannot be modified from the stock configuration to facilitate lowering of the body. Fenders may not be trimmed to excess. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof, doors, trunk or hood). Interior is optional.

****If it not listed in the rules, you can not do it.****

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Dirt Oval Slot Racing Rules & Regulations

H&R Nostalgia Late Model Class

Chassis

- H&R Racing CH07 only
- May solder or glue motor to chassis.
- May solder or glue bushings to chassis.
- Must only use oilites.
- Must have 3/64" (.047) clearance on all chassis points measured with the car on the tech block.
- Any guide flag, nut, and lead wire.
- Must use all 4 screws and nuts in side pans and all 4 in center section.
- No altering bolt holes or axle holes.
- One axle hole in rear can be filed for axle to be leveled in chassis.

Motor

- H&R 26,000 motor only, no altering or tampering in anyway
- Shaft on pinion end can be ground for gear hub clearance only
- Maximum rpm at 12 volts is 29,500 in post-race tech

Tires

- Must be H&R NASCAR FOAM RUBBER TIRES part number 1103 OR PROTRACK FOAM NATURAL RUBBER TIRES part number PTMN320.
- Front minimum tire .940" diameter x 18mm width
- Rear minimum tire .970" diameter x 18mm width
- Centered equal spacing
- No off setting
- No independent fronts

Axles

- Must use 1/8" (.125) axle
- Oilites only, no bearings
- No offset oilities

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Gear

- 9 tooth pinion, 31 tooth crown gear
- 48 pitch
- No angled pinions

Body

Any 1/24 or 1/25 scale 1949 to 1970 plastic model kit, must be decaled and have numbers on the roof and doors. Must have 3D interior, chassis should not be visible. Front glass or window screen is required and must be in place the entire race. Rear glass is optional. Must weigh 45 grams.

Width

Car must not exceed 3 1/4" (3.250) maximum width at any point on the car.

Height

Car body must not be lower than 1 7/8" (1.875) measured with the body sitting on the tech block to the tallest part of the roof.

Side skirts may be added at the bottom of the rocker to make height. Skirts must be made of either styrene or plastic sheeting.

Weight

Minimum weight 200 grams minimum, including body. May add lead weight.

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Dirt Oval Slot Racing Rules & Regulations

Bombers Class

Chassis

Parma Womp Steel #572
Champion Thumper #400
Riggen #5003

Parma Womp Brass #57
Champion Thumper #401

K&G Brute #16-02
LVJ Charger #002

Bracing is allowed. Gluing or soldering of axle bushings is permitted. Offset axle bushings are permitted. No ball bearings. No cutting, grinding or drilling holes in the chassis. Additional weight is permitted. LVJ chassis must have the front screws assembled with Lock-Tite (or equivalent) and be tight to the chassis.

Width & Wheel Base

- **Width:** 3" centered maximum with no offset or excessive slop.
- **Wheel Base:** Maximum of 3 1/8" center to center of the axles.
- **Clearance:** .047 clearance measured from under the motors end bell and back including the crown gear.

Motor

- SEALED JK Hawk Mini Brute #HMB
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible. Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

- **Front:** 1/8" solid axle width and 3/4" diameter front tire. Tire width may be cut down to .400 width. No independent front axle combinations. Protrack wheels and tires only.
- **Rear:** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.

Gears

48 pitch only.

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Body

Caveman Bomber Bodeez (1/32 mid 1950's dirt track cars). Fenders may not be trimmed to excess. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof, doors, trunk or hood). Interior is optional.

If it not listed in the rules, you can not do it.

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Crate Late Model Class

Chassis

- Any commercial available 4" chassis.
- Bracing is allowed. Gluing or soldering of axle bushings is permitted. 1/8" adjusta bushings only. No cutting, grinding or drilling holes in the chassis. Additional weight is permitted on top of the chassis.

Width & Wheel Base

- **Width** 3" maximum centered with no offset or excessive slop.
- **Wheel Base** 4" center to center of the axles.
- **Clearance** .030 clearance measured from under the motors end bell and back including the crown gear.

Motor

- JK Hawk 25
- Max motor RPM will be 30,000
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible. Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

- **Front** 1/8" solid axle width and a minimum of .800 diameter front tire. Tire width may be cut down to .400 width. No independent front axle combinations. Protrack wheels and tires only. Front tires may be sealed.
- **Rear** 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.
- The original Pro Track lettering must be visible on tires
- Tire conditioners and cleaners are permitted. No tire glue can be used.

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Gears

- 48 pitch only. 10 tooth pinion
- Optional 30 or 31 crown gear

Weight

- Total car weight must be a minimum of 200 grams, including body.
- Body must weigh a minimum of 30 grams.

Body

- Door height will be a minimum of 1 ¼" mounted on chassis. Body must be styrene. Body must be mounted on top of chassis. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof and doors). Interior is required.
- Body must weigh a minimum of 30 grams.

****NOTICE**** If it not listed in the rules, you can not do it.

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Super Late Model Class

Chassis

Any 4" Rigid Chassis including home built.

Any weight is permitted on top of the chassis.

Width & Wheel Base

- **Width:** maximum 3" wide with offset allowed. Tires cannot protrude more than 1/8" outside of the body.
- **Wheel Base:** 4" center to center of the axles on both sides.
- **Clearance:** .030 clearance measured from under the motors end bell and back including the crown gear.

Motor

- SEALED JK Hawk 7, Pro Slot Sealed 2002, Pro Slot Sealed 2003 or 501 DeathStar
- Motor must be mounted in line at 90 degrees to the rear axle. Motor must be mounted with the motor ID stamp visible (Hawk). Motor may be tack soldered in place.

Guide Flag

Any flag that is commercially available. No shortening of the guide flag. Cutting excess above the nut is permitted.

Tires & Axles

Front: 1/8" solid or independent axle width and a minimum of .800 diameter front tire. Tire width may be cut down to .400 width. Protrack wheels and tires only. Front tires may be sealed.

Rear: 1/8" solid axle with any diameter Protrack wheels and tires providing the required minimum clearance.

Tires cannot protrude more than 1/8" outside of the body.

The original Pro Track lettering must be visible on tires

Tire conditioners and cleaners are permitted. No tire glue can be used.

Gears

Parma 48 pitch only.

Body

Door height will be a minimum of 1 ¼" mounted on chassis. Body must be painted a minimum of 1 color and have numbers displayed on three sides of the body (ex. roof and doors). Interior is required.

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****If it not listed in the rules, you can not do it.****