

2024 Mini Mod Official Rules

Tech:

All cars will pass a tech inspection at the beginning of the race season by a series representative. A sticker will be issued once the car passes inspection. Any car without a tech sticker will not be allowed to race. Cars will be subject to a weekly post-race tech inspection. The number of cars and items checked will be determined each week by tech inspector. Any car that does not pass post-race inspection will be disqualified for the night. During tech inspection only the car driver and one crew member allowed to enter and be involved in the inspection process. Anyone else entering the tech area during the inspection process will result in their car being disqualified from the race unless the tech inspector approves that person being involved.

Chassis:

Chassis must be an approved L&L Chassis or East Penn Chassis only. No other manufacturer chassis allowed. The chassis may not be altered in any way without approval. All dimensions, tubing size & design must match original build specs. A Halo style bar may be added to the roof opening for added safety for taller drivers. Bar must connect to each side main rail and be no wider than the main rails.

Engine:

P/N 60340 or 60349 Predator 420 CC, 13 HP engine only. Engine must be stock. No modifications of internals or aftermarket performance parts allowed in the engine. Engine must have red or green cable seals installed from chassis manufacturer and serial numbers logged into database. Any new engine purchased must come to chassis manufacturer sealed in the original Predator box to be approved and sealed for use. Factory exhaust and gas tank must be removed. Pull start must remain in place and functional. Fan must be stock plastic and in place. No cutting or trimming of the fins. Stock flywheel must remain installed. Stock keyway only, no offset keyways allowed. Governor and all governor components must remain in place, functional and in stock position. Throttle cable must be attached to governor arm. Stock Predator 420 or Honda GX390 (P/N 16100-Z1C-V01) carburetor only. No other carburetors will be allowed. No grinding, removing or modifying any internal components of the carburetor. Jets may be changed or drilled.

Fuel:

Unleaded Pump Gas only, 93 octane maximum. Fuel will be checked during post-race inspection.

Spark Plug:

Autolite 3910X, NGK BPR6ES, Torch F6TC, Torch F7TC Spark Plug only. No modifying of the spark plug in any way, it must remain the way it comes out of the box when purchased.

Body:

All body panels must come from chassis manufacturer. The size, shape and dimensions of body must meet factory specs as built from manufacturer. Body must be made of aluminum, no steel allowed. No clear Lexan wings or fins allowed. Chain, exhaust and clutch guard are mandatory and must be installed. Engine firewall is mandatory and must be installed. Firewall must cover the main portion of the engine bay and extend fully down to the clutch and chain guard.

Transponder:

Transponder mount must be securely fastened to the car using a bracket or bag. Transponder to be mounted to the right side down bar in the right rear corner of the car at the bottom of the tube.

Axels:

Front axle must be stock from chassis manufacturer. Front axle maximum 33" in length and no camber in spindle end mounts. Front axle must mount in stock frame location and must be mounted square in the car. Front spindles must be square with no camber built in. Rear axle must be steel 1-1/4" diameter axel 40" in length max. Bearings, carriers & sprocket hub can be any brand but must bolt in factory location.

Clutch, Chain, Sprocket:

Lostar or Noram 1600 / 1800 series clutch only. Clutch springs can be changed. No cutting of the clutch drum allowed. #40 roller chain only, any brand. Aluminum or Nylon sprockets only, 5-1/4" bolt pattern, split or solid construction.

Weight:

Car and driver must weigh a minimum of **575 lbs.** coming across the scales after the race. Any weight added to the car must be securely fastened inside the car. Weight can be added anywhere within the body but not visible from the outside. Weight must be painted white and be labeled with car number.

Gear Rule:

Gear rule is subject to change at any time throughout the season with a 2 weeks' notice to drivers. This is to help maintain an equal racing field of cars based on weight of drivers.

Snydersville:

575 lbs. to 625 lbs. – 14 tooth driver only & 74 tooth sprocket only.

626 lbs. to 700 lbs. – 14 tooth driver only & 72 tooth sprocket or higher.

701 lbs. or higher – 14 or 10 tooth driver & 50 tooth sprocket or higher.

Shellhammers:

575 lbs. to 600 lbs. – 14 tooth driver only & 75 tooth sprocket only.

601 lbs. to 625 lbs. – 14 tooth driver only & 74 tooth sprocket only.

626 lbs. to 700 lbs. – 14 tooth driver only & 73 tooth sprocket or higher only.

701 lbs. or higher – 14 or 10 tooth driver & 50 tooth sprocket or higher only.

Mahoning Valley:

575 lbs. to 675 lbs. – 14 tooth driver only & 64 tooth sprocket only.

676 lbs. to 700 lbs. – 14 tooth driver only & 62 tooth sprocket or higher only.

701 lbs. or higher – 14 or 10 tooth driver & 45 tooth sprocket or higher only.

Tires & Wheels:

Wheels must be 8" X 6" steel only, no aluminum wheels. Wheel backspacing can be changed.

Snydersville & Shellhammers:

Hoosier P/N 42400 tire only.

Mahoning:

Hoosier P/N 42400 tire or Hoosier P/N 41150 tire only.

Car Numbers:

Car numbers must be displayed on the car. Number must be on both side door panels, roof panel & rear panel of the car body. Numbers must be clearly visible and large enough for track officials to read.

Battery:

Battery can be any brand and style. Battery must be mounted in factory chassis mounting bracket and location. Battery must be securely fastened with ¼" threaded rod and 1" flat bar retainer.

Window Screen:

All cars must have a window screen in place that protects the driver from flying debris. Window screen must be made from steel mesh with max. hole size of 1". Screen must be securely fastened to the roll cage.

Safety:

Any brand aluminum racing seat is mandatory and must be securely fastened in the car. Seat must be mounted with minimum 5/16 hardware. Right side head rest is mandatory and must be securely fastened to the seat. 5-point racing belts are mandatory and must be properly fastened to the car. Belts must not be expired or in poor condition. Arm restraints are mandatory for all drivers unless side window nets are installed on both sides of the car. One-way radios are mandatory for all drivers. They must be on and always working during the race. Safety gear subject to track official's inspection. Any piece of safety gear track officials deems as unsafe or unsatisfactory may not be used during a race.

Engine Inspection:

If a competitor suspects any engine to be illegal, that competitor can request to have that engine tested. The competitor must make an official complaint to the L&L Chassis rep. along with \$500 cash. The motor will be claimed at the end of the night and taken to a third-party engine shop for testing. \$100 cash will go to the engine inspector for testing and rebuild of the motor in question.

If the motor is found to be **legal**, the engine owner will receive their engine back along with the remaining \$400.

If the engine is found to be **illegal**, the engine owner loses their motor and will be disqualified for the night the motor was claimed and will be suspended for the next two races. The competitor that made the complaint will receive the remaining \$400 in return when the decision is made.

Third party engine shop has contracted is an independent engine builder that has small engine experience and has all spec sheets on the Predator 420cc. engine, both Hemi and Non-Hemi versions. Third party engine shop has no affiliation with L&L Chassis or East Penn Chassis.

Series Sponsor:

S&D Bodyline is an official series sponsor offering discounted pricing on body panels and contributing to series point fund awards and a sponsored race during the season. Each car must display the S&D Bodyline logo, location of your choice. Decals provided by L&L Chassis by request.

Misc:

All rules stated above are subject to discussion from any driver within the series. All rules above are subject to change if agreed upon by all series reps.