



## 2025 Open Wheel Modified Rules

### **CHASSIS/FRAME**

1. Basic IMCA / UMP chassis rules , Unless otherwise noted
2. Weight jacks must be within 1" of center line , stock Clip must Come past back of engine block.
3. Factory production Us car frames. Frame complete in front of firewall
4. Frame may NOT be widened or narrowed. Front cross member may Be notched for radiator clearance. Minimum frame height from ground 4"
5. Wheel base minimum 108". Maximum 112"(stock front clip ONLY)
6. Rear of frame may be altered to accept leaf or coil springs  
NO fiberglass springs or lift bar allowed. No rear torsion bars
7. Rear of bell housing flange at least 72" forward from the center of axle  
Engine offset within 2" of centerline of front crossmember. Minimum Engine height should be 11" from front center of crankshaft to ground

### **SHOCKS:**

One steel, non adjustable , shock per wheel, All shocks must collapse Completely. No external or internal bumps. No threaded body, front Coil over, air or remoter reservoir shocks (Schrader valves OK)  
Front half may be shielded. One or all shocks may be claimed per event For \$300 each. Claimer may choose which shock(s) to be claimed  
Anyone finishing in top 5 can claim shocks.springs

## **SUSPENSION:**

1. Steering box must bolt in factory place on frame , No center steering or rack & pinion. All steering components must be stock OEM  
NO aftermarket draglinks or center links (ok) May use tube & HIEM style tie rods.
2. MUST BE Solid chain limiters
3. Stock passenger car spindles only. No Fabricated or aftermarket Spindles. IMCA approved 3- piece spindles (ok)
4. Tube uppers (ok) MUST BE STEEL)
5. No aluminum suspension parts allowed unless listed
6. OEM style lower A frames. Stock or aftermarket (Keyser, Allstar etc OK)  
May have HIEM type ends, MUST be stock measurements .1" tolerance  
Maximum width front or rear is 78" ZERO tolerance  
Measured from outside of tire to outside of tire  
Maximum 1" wheel spacer allowed front & rear
7. Leaf springs. 3 link or 4 link rear suspension allowed
8. 4 bar rods must be steel rods with HEIMS, No springs or biscuit style
9. 4 link must run solid pull bar
10. Any coil spring (4150 claim rule) must be at least 4.1/2 ' OD Right front spring Minimum 8" tall. Left rear spring MINIMUM 10" tall.
11. The upper front coil spring must be flat and support the spring 360 degree
12. The lower front coil spring mount may have single step to prevent spring Rotation and accommodate the open end of the spring. The step of the lower front coil spring mount must no exceed 1" in height. The lower spring mount Must be welded integral component of lower control arm.  
When installed the lower end of the spring must be supported 360 degrees

## **TRANSMISSION,DRIVELINE, REAR END , BRAKES :**

1. No direct drives, Must be able to shift forward & reverse with engine running BERT,FALCON & BRINN type transmission allowed
2. Drive shaft may be steel, carbon fiber or aluminum, NO FIBERGLASS allowed  
Must be painted white.
3. No altering of brake rotors or calipers. No single disc brake scalloped or drilled rotors, Must be OEM
4. All calipers OEM, No machining or lighting. Aluminum (ok)
5. Any steel approved OEM passenger car or truck rear end allowed (housing and carrier) OEM rear end must use full or mini spool. Quick change rear end (ok). Must use steel axle tubes and 10" ring gear with steel or aluminum spool. No torque dividing differentials

## **FUEL:**

Pump gas , racing gas or E85. No alcohol, NITROUS –OXIDE,NITOUS METHANE, POLYETHYLENE OXIDE ALLOWED

## **WEIGHT:**

2400LBS WITH ENGINE OPTION 1

2500LBS 4 BAR CAR WITH ENGINE OPTION 1

2600LBS WITH ENGINE OPTION 2

2700LBS 4 BAR CAR WITH ENGINE OPTION 2

1LB PER LAP BURN OFF IN HEATS, B-MAINS AND A MAIN EVENTS

## **WHEELS & TIRES:**

American Racer Hard extra hard, Stocker Hard, G60 or Hoosier H500

Any hard compound may be run on all 4 corners. If it's a Hard compound, it is Legal, tires may be siped and grooved- 8" wheels (steel only) Bead locks OK.

## **CHEMICALS ANALYSIS:**

Tires that do not conform to benchmark will be deemed illegal- Tire Protest \$200

First offense- loss of points and money from night tire was checked

Second offense-\$1000 fine plus 500 points

Third Offense- \$5000 fine 1 year suspension & loss of all points to date

## **PROTEST:**

### **Engine #1**

Protest fee for a complete tear down on a engine that finished a feature Event is \$1,200. The protest fee must be paid to technical director in cash, Within 10 minutes after checkered flag has fallen on the feature, Must finish in top 5 to be eligible to protest Protest fee will go to the Certified builder, Remainder of the Protest money will go to the Track & driver for expenses.

### **ENGINE #2**

Protest fee for a complete tear down on a engine that finished the feature Event is \$1,500. Complete tear down is the only option available, The protest fee must Be paid to the race director or technical director , in cash within 10 minutes after the checkered flag has fallen on the feature. Must finish in the top 5 to be eligible to protest. \$300 of the protest fee will go to the track Remainder of the protest money \$1,200 will go to the winner of the protest.

## **BODY RULES:**

IMCA, UMP , MID EAST, SOUTH EAST BODY RULES ALLOWED.

SPOILERS 4" HIGH AR OPTIONAL

## **ENGINE OPTION 1:**

1. Chevrolet Performance Part #88958602 / 19258602 / 8858602 (CT 350) commonly referred to as (602) engine
2. These engines are sealed at the intake manifold, cylinder head, front cover and oil pan with Chevrolet Performance seals, which are installed at the Chevrolet Performance factory, Engine must be sealed in these 6 location with either Chevrolet Performance cap seals or approved aftermarket seals.
3. The ONLY aftermarket seals allowed for competition are:
  - A- GM twist off bolts
  - B- Chevrolet Performance cap seals
  - C-Crate USA Gen IV (GREEN) or Gen V ( black) cable seals, RUSH cable seals, IMCA cable seals allowed,
  - D-Note Crate USA Gen V (light blue) seals are allowed, these seals will begin with numbers 406XXX
  - E-No AGAS, NDRA FASTRACK, Crate USA Gen I (silver), Gen II (blue) or Gen III (yellow) will be allowed.
  - F- To compete with any other seal/ sealing system contact NGS tech for approval
4. Crate engines must not be altered , modified, or changed from factory specs, unless any such alteration, modification, or changes is approved by CRUSA, CURSA authorized rebuilders will notified of any such alterations, modifications or changes
5. Any seals that have been removed or tampered with will make the engine illegal and not eligible for competition .The penalty for anyone tampering with seals, modifying and internal engine parts, or changing the parts from Stock as delivered sealed from factory will be subject to explusion from racing in any NGS event for the remainder of the season and future seasons , as determined by officials

- 6.No changes are allowed to the engine including the intake manifold, heads valve covers, front cover ,oil pan harmonic balancer, or any other parts on or in the engine
7. No vacuum pumps, No evac systems of any type, including but not limited to the breather system type

## **ENGINE OPTION 2**

1. 362 cubic inch maximum, factory steel production blocks. May run factory replacement DART SHP block PART #31161111
2. Any cast iron 23 degree steel heads, no porting or polishing of cylinder heads, No aluminum heads
3. Max valve size 2.02" intake & 1.6" exhaust
4. Any intake manifolds. No porting or polishing
- 5.Steel or cast crank and rods, No exotic material cranks or rods  
EXAMPLE aluminum & Titanium
- 6.Flat top piston only
7. Any flat tappet camshaft only (NO ROLLER CAMS)
- 8.Timing chain only (NO GEAR DRIVES)
9. Stud mounted rockers only (NO STUD GIRDLES)
10. Stock diameter valve springs only 1.260" maximum O.D  
Beehive springs 1.320" maximum
11. Any manufacturer (CHEVY , FORD , DODGE) no double valve springs

## **CARBURETOR RULES:**

- 1.Engine option #2 – 500 CFM 2 barrel only
- 2.Two barrel carbs will be checked with go-no-go gauge top and bottom.
- 3.Either engine Option may run 1” maximum carb spacer, .040” tolerance. At No point may the spacer extend into intake manifold area (2) standard thickness carb gaskets 0.70” maximum thickness allowed
4. Engine Option #1- may run (1) four barrel carb only, Chevrolet Performance 602 circle track engine performs best with a quality 650 CFM carb.
5. All Carbs (for both engine options) must have conventional style floats along With needles and seats, no individual cylinder tuning or equivalent allowed
- 6.All carbs(for both engine options) must have conventional (HOLLEY TYPE)  
straight or down leg boosters, NO EXCEPTIONS , NO Super bowl type carb allowed,  
Willy’s Equalizer Carb OK for competition

## **DISTRIBUTOR RULES**

- 1.No magnetos
- 2.MSD is OK – 6AL or 6ALN, MSD box only
3. Series or track reserve the right to change MSD boxes with any car , at any time
4. No electronic traction control devices allowed, MSD box may be confiscated  
by series at any time
5. Drivers finishing in the top5 may protest another top 5 finisher for \$300  
Series keeps \$300 protest fee

## **STARTER RULES:**

1. All cars must have a starter in working order

## **WATER PUMP & POWER STEERING RULES:**

1. Stock type cast or aluminum water pump permitted
2. No electric water pumps allowed
3. Manual fans only, No electrical fans
4. Reverse mount power steering / fuel pump (OPTIONAL)

## **EXHAUST RULES:**

1. Collector type headers required, Must have four tubes into one collector
2. Mufflers not required, UNLESS track mandates them, If mandated, mufflers must have some type of internal noise dampening characteristics, baffles extruded holes screen, chambers, Muffler must meet local speedway noise decibel requirements
3. No tri-y headers or merged headers allowed
4. No square tube headers