



CITY CHEVROLET THUNDER SERIES RULES 2022

General Rules:

1. The Rules and Regulations set do not express or imply warranty of safety from publication of or compliance with Rules and Regulations. These rules are intended as a guideline for the conduct of Thunder Series sanctioned events, and are in no way a guarantee against injury or death to participants, spectators, or officials.
2. Thunder Series officials have full authority over said sanctioned events, and in the event of any dispute, the head official's decision will be final.
3. All competitors and cars are subject to inspection by Thunder Series Technical Inspectors or their representatives at any time during any event.
4. Thunder Series, and its officials and representatives reserve the right to confiscate any suspicious or deemed illegal parts or components.
5. Thunder Series reserves the right to alter or amend these Rules and/or Regulations in the interest of fair competition, efficient completion of an event, or for safety. All official's decisions are final.
6. There is NO appeal process in the determination of or application of fines and/or penalties assessed by the series. All Official's decisions are final, and drivers will not be allowed to compete in any sanctioned event until all fines are paid, penalties assessed have been cleared, and/or suspensions have been served.

Safety Rules:

1. Safety is the responsibility of the RACER!!
2. Full Fire Suit (top and bottom or one-piece) Gloves and Shoes is required (SFI rating optional, but highly recommended).
3. Snell rated SA2010 or SA2015 full-face helmet required.
4. Must have head and neck restraint system or Full containment seat.
5. All cars must have a kill switch within easy reach of the driver, and clearly marked "Off" and "On".
6. All cars must have a quality fuel cell with roll over valve (check valve) in fuel cell vent.

7. Must have SFI-Approved five-point safety belts, mounted securely to the roll cage. (Recommend belts be no more than two years old.)
8. Any pre-race technical/safety inspection and car or equipment is deemed unsafe by officials will result in not being allowed to compete. Official's decisions are final!
9. Receiver one-way radios are REQUIRED at every sanctioned event. Failure to have a Receiver (or equivalent one-way device) could result in disqualification. Malfunction of such device (i.e., dead battery, ear phone failure, etc.) will not constitute any penalty.
10. NO two-way radios, cell phones, or other communication devices will be allowed. Receiver is the ONLY communication device permitted. Drivers caught with any other communication device will be disqualified for that event (heat or feature).
11. No signal devices (light sticks, painted/taped sticks, flashlights, cell phones, etc.)
12. No mirrors.

Membership and Registration:

1. All drivers participating at Thunder Series sanctioned tracks and events must purchase an Annual Membership at a cost of \$75 per year.
2. All membership points will go to driver.
3. You must compete in 80% of Thunder Series events to be eligible for point money.

ENGINE RULES:

1. CHEVROLET PERFORMANCE PART NUMBER 88958602/19258602
2. THE SEALED ENGINES MUST REMAIN INTACT AND NOT BE TAMPERED WITH. 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 ANY INTERNAL ENGINE PARTS, OR CHANGING THE PARTS FROM STOCK AS DELIVERED SEALED FROM THE FACTORY WILL BE SUBJECT TO EXPULSION FROM RACING WITH ANY THUNDER SERIES SANCTIONED EVENT FOR THE REMAINDER OF SEASON AND FUTURE SEASONS.
3. ANYONE RUNNING A RESEALED ENGINE MUST HAVE CERTIFIED CABLE SEALS FROM A CERTIFIED ENGINE BUILDER.
4. NO CHANGES ARE ALLOWED TO THE ENGINE – INCLUDING BUT NOT LIMITED TO INTAKE MANIFOLD, HEADS, VALVE COVERS, FRONT COVER, OIL PAN, HARMONIC BALANCER, OR ANY OTHER PART/OR PARTS ON/OR IN
5. NO VACUUM PUMPS

6. ALL CRATE ENGINES MUST REMAIN STOCK AS THEY CAME SEALED FROM THE FACTORY. CRATE ENGINES MUST NOT BE ALTERED, MODIFIED, OR CHANGED FROM FACTORY SPECS.

7. THERE WILL BE A \$1000 PROTEST ON A CRATE ENGINE WITH A \$200 ACCEPTANCE FEE \$800 WILL GO TO THE ONE PROTESTED AND \$200 WILL GO TO THE SERIES.

SEALS:

1: CHEVROLET PERFORMANCE CAP SEALS

2: CRATE RACING USA SEALS

3: EAGLE

4: FASSTRAK

5: MID EAST

6: IF YOU HAVE ANY OTHER SEALS CONTACT SERIES TO FIND OUT IF LEGAL OR NOT

7: NO BREAK OFF BOLT STYLE SEALS ARE ALLOWED. IF YOU HAVE THESE SEALS YOU ARE SUBJECT TO BE INSPECTED TO PROVE ENGINE LEGAL AT YOUR COST.

CARBURETOR RULES:

1: ONE 4 BARRELL CARBURETOR

2: ENGINE MUST BE NATURALLY ASPIRATED

3: MAY USE ONE 1 INCH, ONE PIECE, CARBURETOR SPACER (.040 TOLERANCE MAXIMUM) AND TWO STANDARD PAPER GASKETS (MAXIMUM 0.070 INCH THICK); ONE GASKET BETWEEN INTAKE TO SPACER AND ONE GASKET BETWEEN SPACER TO CARBURETOR

4: NO SUPER BOWLS

DISTRIBUTOR RULE:

1. MSD IGNITION SYSTEM. NO CRANK TRIGGER, DISTRIBUTORLESS MULTI-COIL, OR MAGNETO IGNITION SYSTEM. 6AL OR 6ALN, or MSD 6CT IGNITION BOX ALLOWED. (NO 6CT PRO)

MUST BE A 6300 CHIP OR SET AT 6300.

1A: IF USING ANY MSD BOX THAT DOES NOT TAKE THE CHIP MUST HAVE WORKING TACH IN CAR.

2. NO ELECTRONIC TRACTION CONTROL DEVICE

3. CAN RUN HEI TYPE DISTRIBUTOR BUT MUST HAVE SOFT TOUCH BOX WITH 6300 CHIP.

4. IF YOUR CAR HAS TWO MSD BOXES IT MUST HAVE A 6300 CHIP IN EACH BOX NO MATTER WHAT.

5. \$350 CLAIM RULE ON THE MSD BOX

STARTER RULE:

1. ALL CARS MUST HAVE WORKING STARTER

EXHAUST RULES:

1. COLLECTOR TYPE HEADERS REQUIRED. MUST HAVE FOUR (4) TUBES INTO ONE (1) COLLECTOR OF A CONSISTENT DIAMETER
2. MUFFLERS NOT REQUIRED UNLESS TRACK MANDATED. IF/WHEN MANDATED: MUFFLERS MUST HAVE SOME TYPE OF INTERNAL NOISE DAMPENING CHARACTERISTICS (BAFFLES, EXTRUDED HOLES, SCREEN, CHAMBERED, ETC.) MUFFLERS MUST MEET LOCAL SPEEDWAY'S NOISE DECIBEL REQUIREMENTS. EXTERNAL MUFFLERS ONLY.
3. NO TRI-Y HEADERS
4. \$400 CLAIM RULE ON HEADERS. IF MUFFLERS ARE WELDED TO HEADERS THAT IS ONE PIECE AND MUFFLERS GOES WITH THE HEADERS IF THEY ARE BOLTED TOGETHER YOU CAN KEEP THE MUFFLERS.

WATER PUMP

- 1: CAST OR ALUMINUM PERMITTED. STOCK MOUNTED WATER PUMP AND FANS ONLY. NO ELECTRIC FANS
- 2: NO ELECTRIC WATER PUMPS.

SUSPENSION:

- 1: LATE MODEL SUSPENSIONS ONLY. NO SPRING LOADED OR SHOCK TYPE 4 BAR RODS. ONLY STANDARD SOLID BAR 4 BAR RODS. NO TORSION BAR FRONT OR REAR SUSPENSION. SWAY BAR OK
- 2: ONE (1) COIL SPRING PER WHEEL. FLAT HELPER SPRING OK. NO STACK SPRINGS ON ANY CORNER INCLUDING 5TH COIL. ONE RUBBER BUMP STOP ALLOWED ON RIGHT FRONT ONLY. MAY CUT
- 3: ONE SPRING RUBBER PER CORNER

SHOCKS:

- 1: OIL SHOCKS (SPLIT VALVE PERMITTED) OR GAS SHOCKS PERMITTED. NON ADJUSTABLE/ NON CANNISTER ONLY. NO AIR SHOCKS ALLOWED.
- 1A- NO INTERNAL BUMPS
- 2: THERE IS A \$250 BUY RULE PER SHOCK. ALSO YOU CAN ADD \$150 AND BUY THE COMPLETE ASSEMBLY (LESS SHOCK COVER). MUST BE IN THE TOP 3 TO BUY. IF YOU REFUSE ANY CLAIM YOU WILL BE DISQUALIFIED AND LOOSE ALL POINTS AND SUBJECT TO SUSPENSION AND/OR FINE. THIS PROCESS WILL BE WATCHED BY TECH MAN AND THE PERSON BUY SHOCK.
- 3: ONE SHOCK PER CORNER EXCEPT LEFT REAR. YOU MAY RUN A DRIVE SHOCK.

TRANSMISSION:

- 1: BERT, BRINN OR FALCON ALLOWED
- 2: NO STRAIGHT DRIVES OR IN AND OUT BOXES.
- 3: IF RUNNING BALL SPLINE TRANSMISSION CARBON FIBER DRIVESHAFT MANDATORY.

DRIVESHAFT:

- 1: CARBON FIBER ALLOWED AND RECOMMENDED FOR SAFETY.

REAR END:

- 1: STANDARD QUICK CHANGE REAR END PERMITTED. NO TITANIUM OR EXOTIC MATERIALS AXLES, SPOOLS, GEARS, OR OTHER MATERIALS INSIDE REAR END. NO SMALL TIGER REAR ENDS.

BRAKE RULES:

1. STEEL BRAKE ROTORS ONLY. NO CARBON FIBER BRAKES. NO TITANIUM BRAKES OR OTHER EXOTIC MATERIAL BRAKE SYSTEMS

TIRES:

- 1: HOOSIER HTS 1350 SPEC, CRATE USA 21, HTS 1600 SPEC, CRATE USA 55, AR 48 SPEC, AR 56 SPEC.
- 2: NO CHEMICALS: TIRE PROTEST IS \$125 PER TIRE AND WILL BE SENT TO A LAB FOR RESULTS. LAB RESULTS ARE FINAL. ACCEPTANCE FEE IS \$125 PER TIRE. WE WILL CUT TIRE WITH A GROOVING IRON BLADE AND TAKE TWO SAMPLES FROM EACH TIRE TO SEND OFF. IF TIRE SAMPLE COMES BACK WRONG YOU WILL LOOSE YOUR MONEY AND POINTS FROM THAT RACE AND YOUR ACCEPTANCE FEE MONEY. THERE WILL BE OTHER RACE PENALTIES TO BE DETERMINED BY SERIES.
- 3: WILL PUNCH TIRES AT ANYTIME ANY TIRE PUNCHING BELOW WHAT WE FIND TO BE A NORMAL PUNCH CAN BE SAMPLED AND SENT TO A LAB FOR FURTHER TESTING. MAY PUT A NUMBER PUNCH RULE IN BY FIRST OF THE YEAR.
- 4: MAY CUT CROSS BARS IN EXISTING BLOCKS ONLY. ANY ADDITIONAL GROOVING TBD DEPENDING ON TIRE SUPPLY.

WHEELS:

- 1: STANDARD 15X14 INCH WHEELS.

MIRRORS:

- 1: NO MIRRORS.

RADIOS:

1: NO RADIOS, CELL PHONES OR ANY OTHER COMMUNICATION DEVICE ALLOWED IN CAR AT ANY TIME. IF FOUND WILL BE DISQUALIFIED FOR THAT EVENT.

2: RACECIEVER REQUIRED AT ALL TIMES WHILE ON THE TRACK

BODY:

1: MUST FOLLOW CRUSA BODY RULES

WEIGHT:AND WEIGHT BREAKS

1: BASE WEIGHT IS 2400

1A: IF RUNNING 93 PUMP GAS OR VP 110 YOU WILL BE GIVEN A 50 POND WEIGHT BREAK

2: NO BURN OFF AFTER RACE

3: WE WILL WEIGHT BY THE SCALES AT EACH TRACK. (5 POUND TOLERANCE)

4: NO WEIGHT BREAKS FOR CONTAINMENT SEATS OR NECK RESTRAINTS ANYMORE OR FIRE SYSTEM

FUEL:

1: NO METHANOL. CAN RUN E85.

2: SPECIFIC GRAVITY NOT TO EXCEED .744 AT 60 DEGREES ANY FUEL EXCEEDING .745 WILL BE DISQUALIFIED. FUEL PROTEST WILL BE \$50 PAID TO THE SERIES TO BE CHECKED AT THE TRACK OR \$150 TO BE SENT TO OUTSIDE LAB.

3: VP RACING FUEL IS THE SERIES RECOMMENDED FUEL

4: YOU CAN NOT MIX 93 AND 110 AND RECIEVE WEIGHT BREAK.