

## **2022 LANCASTER MOTOR SPEEDWAY RULES**

These rules are issued to govern the conduct of racing events at Lancaster Motor Speedway for the 2022 racing season. It is the intent of Lancaster Motor Speedway management, officials and staff to enforce these rules to ensure fair competition and consistency at each event. The track promoter and race director will act upon any situations not specifically covered by these rules and their decisions will be final.

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## **LANCASTER MOTOR SPEEDWAY (2022) OVERVIEW**

2022 General Overview: The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events.

These rules and/or regulations shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules.

**NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF/OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.**

They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements.

Any interpretation or deviation of these rules is left to the discretion of the officials of Lancaster Super Speedway and Speedway Ventures LLC.

**THEIR DECISION IS FINAL. IF IT IS NOT IN THE RULES, DON'T ASSUME – ASK!**

Our goal is to apply all rules firmly and equally. Officials reserve the right to modify/change or alter rules during the season to promote fairness and safety. Any changes will be posted on the bulletin board on the front of the draw/pay booth building. Any cars not meeting these rules may be allowed to run at track's discretion with weight being added or penalty. Many calls made by track officials are judgment calls; these calls are not subject to review or change after a race event.

**The promoter can refuse the entry of any car, driver or spectator at any race.** Any dispute will be taken up with the promoter or race director after the race and ONLY in an orderly fashion.

Drivers and crew members will conduct themselves in a calm and sportsman like fashion at all times. The driver will be the spokesperson for his/her team's car owner in all matters. Any driver or crewmember that uses loud or abusive language toward any track official or employee may be fined and/or suspended from future racing events, lose all winnings and/or may lose all points for the event from that night. Penalties will be enforced at the discretion of the management.

Fighting is strictly prohibited. Anyone caught fighting will be turned over to local law enforcement officials and are subject to fines and punishment is applicable by law. Drivers will be held responsible for the actions of their crewmembers and penalties may be enforced upon a driver if a crewmember is in violation of said infractions. (Penalties are to be enacted at the discretion of

track management and officials).

No disorderly conduct will be allowed at the draw window, driver's meeting or payoff window. **NO TOLERANCE!!!**

Any person other than Law Enforcement found with ANY WEAPON (concealed or otherwise) on his/her person is subject to fine, loss of weapon and arrest.

**PARTICIPANTS ARE ENCOURAGED TO CARRY INSURANCE**

All accidents/injuries must be reported on the night of the event and **WILL NOT BE ACCEPTED ANY LATER THAN 24 HOURS AFTER THE INCIDENT OCCURRED DURING EVENT OPERATIONAL HOURS.**

There is absolutely no coverage on privately owned vehicles damaged on track property (all parking areas – grandstands and pit area). There is no coverage on tools.

**ANY ENTRANCE ONTO RACETRACK PROPERTY IS TAKEN UPON FREEWILL AND IS SUBJECT TO CERTAIN RISKS!**

All participants should inspect the racing and pit area before the event begins upon arrival. If you see a potential danger before, during and after the event, it should be called to the attention of the track owner or officials' attention immediately.

### **LEGAL REQUIREMENTS:**

Every driver and or car owner must fill out the following before any competition is allowed. Drivers information and profile form.  
Insurance waiver/release and proper federal  
IRS/tax forms.

The state and federal government requires that all money earned be reported by IRS 1099 documents if a participant earns more than \$600. If you refuse to supply this information, you will not be allowed to compete.

### **POINTS SYSTEM**

The points system for 2022 will be as follows:

"POINTS WILL ONLY BE AWARDED TO THE DRIVER, NOT CAR NUMBER"

| <b>Finishing Position</b> | <b>Points Awarded</b> | <b>Finishing Position</b> | <b>Points Awarded</b> |
|---------------------------|-----------------------|---------------------------|-----------------------|
| <b>1</b>                  | <b>35</b>             | <b>13</b>                 | <b>23</b>             |
| <b>2</b>                  | <b>34</b>             | <b>14</b>                 | <b>22</b>             |
| <b>3</b>                  | <b>33</b>             | <b>15</b>                 | <b>21</b>             |
| <b>4</b>                  | <b>32</b>             | <b>16</b>                 | <b>20</b>             |
| <b>5</b>                  | <b>31</b>             | <b>17</b>                 | <b>19</b>             |
| <b>6</b>                  | <b>30</b>             | <b>18</b>                 | <b>18</b>             |
| <b>7</b>                  | <b>29</b>             | <b>19</b>                 | <b>17</b>             |
| <b>8</b>                  | <b>28</b>             | <b>20</b>                 | <b>16</b>             |
| <b>9</b>                  | <b>27</b>             | <b>21</b>                 | <b>11</b>             |
| <b>10</b>                 | <b>26</b>             | <b>22</b>                 | <b>11</b>             |
| <b>11</b>                 | <b>25</b>             | <b>23</b>                 | <b>11</b>             |
| <b>12</b>                 | <b>24</b>             | <b>24</b>                 | <b>11</b>             |

All races contested in the 2022 season will be counted as point races, unless otherwise stated in the schedule.

## GENERAL RULES

Any driver caught under the influence of any DRUGS OR ALCOHOL prior to or during any event will be disqualified from competition and will not be allowed to race. A "breathalyzer" test may be randomly administered to drivers and any other action deemed appropriate by officials.

There will be NO ALCOHOLIC BEVERAGES allowed in the protest area. No person(s) under the influence of alcohol or drugs will be permitted in the protest areas.

**SCALE AREA:** During post-race weigh-in, the scale area is off limits. ONLY ONE CREWMEMBER PER CAR is allowed entrance to the scale area.

Driver must start the race by taking the initial green flag in the main feature event to receive any purse money or points.

All prize money should be claimed at the payoff window as soon as possible when announced. If a driver is unable to pick up earnings, it will be held for a maximum of ONE WEEK ONLY. If money is not collected within one week, then it will be forfeited. NO EXCEPTIONS!

**CAR NUMBERS:** The speedway reserves the right to request a car number change on any race car to avoid duplication; or if the

number cannot be clearly seen. Cars are scored from the main press tower above the grandstands and must appear on both sides of the car a minimum of 24" high. A number at least 36" high must be clearly visible from the roof of the race car and must be able to be read by the scorer from the passenger side. Any car may be assigned a number by the track steward. All cars from the prior racing season will continue to use their old numbers unless a change is requested.

**FOR REASONS OF SAFETY:** No person is allowed onto the racing surface unless requested by a track official or member of the track's emergency safety crews or law enforcement.

At the Track Officials request, **ONLY** sheet metal or "minor repairs" can be serviced by the track official when driver is **ASKED (OR RACEIVER)** to stop on the front straightaway of the track. **ALL** other repairs must result in taking the car to the pit area and track position will be forfeited. Any car may be sent to the pit area for repairs at the discretion of the track officials. **NO TOOLS WILL BE ALLOWED ON RACING SURFACE DURING COMPETITION.**

Cars must be self-starting. If you must be pushed off, you are using up the time limit for the event.

Speed limit in the pit area is limited to 5 MPH! This will be consistently monitored by **ALL** track officials and the consequences for all speeding violations may be disqualification.

All cars must pass safety inspection by track officials or they will not be allowed to race.



Drivers can race in ONLY TWO EVENTS per race night.  
NO car can race in more than one registered event.

All cars must have wrecker hook-ups on front and rear – NO EXCEPTIONS!

Hot laps are given to each division at the beginning of the event. If a driver misses his hot lap session for his/her division, he/she CANNOT participate in the hot laps of any other division. NO EXCEPTIONS!

If a driver is participating in more than one division, then it is his/her responsibility to arrive at the staging area in a timely manner for the second/or next race. The race will not be held up; if the driver is not in the staging area when the cars are called to the racing surface, then he/she will forfeit that starting spot and be moved to the rear of the starting line-up.

All races (heat races or main features) are officially declared "underway" once cars are called out of the staging area and have reached the racing surface. UNDER NO CIRCUMSTANCE is any driver allowed to change cars after this point in any event!

Any driver who exits his/her car while a race is underway, for reasons other than immediate danger (fire, driver safety) may be disqualified and may forfeit all money and points earned for that event. AT NO TIME ARE CREWMEMBERS ALLOWED ONTO THE RACING SURFACE unless directed by a trace official. ALL VIOLATIONS OF THIS RULE MAY RESULT IN IMMEDIATE DISQUALIFICATION OF DRIVER FOR THAT RACE.

WORKING RECEIVERS ARE MANDATORY in ALL divisions – NO EXCEPTIONS!

### **SIGN-IN: REGISTRATION & DRAW PROCEDURES**

It is the responsibility of each driver to sign in/register and draw for all event starting orders upon arrival at the racetrack. ANY driver changes after the closing of the draw window/registration will result in said driver starting at the rear of the starting line-up for that heat race.

If a driver chooses NOT a draw for a starting position in a heat race, they should register with the scorer, expressing their intent to start at the rear of said event.

Starting positions in heat races are determined by random draw; these assigned starting positions cannot be changed for any reason and are final. Any changes to heat race lineup will ONLY affect the original lineup, whereas the original "line" (inside or outside) will change. Cars will only move up to the next ROW – lineups will not be changed by "criss-crossing," Should a driver forfeit his/her starting position, they will be moved to the end of the original "line (inside or outside)."

**QUALIFYING:** Any event involving qualifying will be scheduled and run according to driver registration and draw. If a driver does not register for a qualifying event or misses the order where they drew, then he/she will be placed in front of the drivers that did draw and will get only one lap.

## SCORING

### HEAT RACES, QUALIFYING AND MAIN EVENT/FEATURES:

If the main event results in two unsuccessful start attempts, then the inside pole car will be awarded the first starting position.

The starting lineups for all main feature events will be determined by heat race/qualifying race results. If for any reason, a driver change occurs once the main feature event starting lineup is posted, that car will be moved to the end of the starting LINE (inside or outside).

Any driver who enters a main event having entered the racetrack property "late" or past the conclusion of the heat races/qualifying, will be allowed to start at the end of the longest line in the starting lineup for that feature event.

Any car that goes 3 laps down under green-flag competition will be black-flagged and scoring will stop for that event.

**FLAT TIRE LAPS:** 2 laps will be given to any competitor ONE TIME during a main event. The car must be scored on the lead lap. IT IS THE RESPONSIBILITY of the driver for signaling the track official at the moment he/she enters the pit road area (front or back entrance). Your laps do not start until you stop in your pit.

The race is scored by the lead car in all events, in the event of a

caution all cars scored in a completed lap will hold their positions. To complete the first lap, then the lap is officially counted and all cars that did not cross the start/finish line upon the display of caution will be lined up according to the original starting lineup; cars must maintain a safe speed until the field comes together under the caution. The car(s) causing the caution will be lined up for the restart at the end of the field.

After the completion of the first lap, if cars do not complete the next lap(s) upon a caution thrown, then the scorer will revert to the last lap scored to determine the remainder of the restart lineup.

False starts (jumping) or starts called off for debris will not count as an official attempt to get the first lap in.

If the first lap of the race fails to be completed in two attempts in double-file formation, the third attempt to start the race will be a Delaware restart meaning that the first inside poll position car will start single file by itself in front of the field and the remainder of the field will start double file. The race will restart on the third attempt according to the original starting lineup.

There will be NO

"CRISS-CROSSING". (For example, the whole inside row will advance to make it double file.

Any car that is "one lap down" to the leader will be lined up BEHIND all lead lap cars on restarts.

The lap will be "red-flagged" in the event that the track is deemed unsafe for normal racing pace to continue. If this occurs,

all scoring will stop, and the race will restart according to the order of the previous lap scored, not including any cars that were involved in the accident. Those cars will be started from the rear of the last lap scored.

The race will end under "green flag conditions." All events will race back to the checkered flag, unless the final lap is cancelled by the race director. If the final lap is stopped due to competitor safety, then once the track is returned to safe conditions, the race will conclude on a final "GREEN/WHITE TOGETHER" last lap.

If two or more cars cross the start/finish line at the same time at the checkered-flag, the scorer will award the win to the car on the inside (nearest the infield). This will apply in all events.

After the race is complete, if a race car becomes "stuck in the mud," the driver will have TWO MINUTES to get the car out of the mud UNASSISTED. If wrecker assistance is required to remove a "stuck" race car, then that driver is disqualified.

Further, all cars must finish the race under their own power. At no time will a car be allowed to be "pushed across" the finish line to complete a race. Should this happen, scoring will be stopped on the previous lap.

All cars are subject to post-race/event weight inspections (heat races, qualifying, main events). The top five cars must cross the scales at the end of their race.

In the event of rain or bad weather during any main event, the race is official once the scoring has passed the half way point of the race (ex. 5/10,6/12,8/15,10/20, etc.). The night is declared.

**POST RACE WEIGH-IN:** HEAT RACES AND MAIN EVENTS – after all heat races and main events, the TOP FIVE cars are REQUIRED to pass through the scales. QUALIFYING: all cars must pass through the scales at the conclusion of their qualifying lap(s).

Time limits will be strictly enforced for each event in each class.

If any driver wins ANY three feature/main events in a row, then they are required to start at the rear of the main event at the next regular event entered. This will apply to all classes. (Special events are excluded).

### **FLAGGING**

Any driver jumping the start will be moved back one position. The second time, they will be sent to the rear of the field. The third time, they will be black-flagged and sent to the pits and scoring will stop for that event.

Any car that enters the pit area following the exit of cars from the staging area to begin the race will forfeit their track position and will restart at the end of their original line.

**INITIAL START OF RACE:** Races will begin double-file on the front straightaway between string of green lights and the flag stand BY

THE FLAGMAN. The inside car on the front row will set the pace of the initial start. It is the responsibility of the drivers in the remainder of the field to keep pace with the inside car. Once the pace is set for the start of the race, if the inside driver should suddenly increase the speed of the pace (jump out from the row) or suddenly decrease the speed of the pace ("brake check"), prior to the commitment line, then that driver will be signaled for jumping the start and will be dealt with by the race director. The race will start double-file on the front straightaway by the FLAGMAN (flagman starts the race) at a smooth speed of 25-50 mph.

**RESTARTS:** The race leader will restart the race within the "commitment points"

If any driver stops on the track to avoid getting lapped, then that car will be scored "one lap down" at the point of the incident.

Drivers must maintain sportsman like conduct at all times while on the racing surface. In the event where ANY unsportsmanlike conduct is displayed (intentional ramming or contact) before, during or after an event will be subject to immediate disqualification, penalties, fines and/or suspension. It will be at the discretion of the race director and track owner/promoters to impose penalties and fines.

Any car determined as CAUSING a caution will restart at the rear of the field. Any car being determined as causing THREE cautions in any event will be pitted and scoring will stop. This will also apply if a car is deemed unsafe by track officials at time called

will be "just racing" and car will be put back in their place on the same lap and no caution car.

**MULTI-CAR WRECKS ON THE INITIAL START:** In the event of a multi-car incident on the initial start of any event, all cars that can continue without pitting will be returned to their original starting lineup.

## **RACE DIRECTOR AND PROMOTER HAS FINAL WORD!**

### **FLAGS COLORS & DESCRIPTIONS**

Green – Race begins or resumes from another conditional flag.

Yellow – Racing under caution. Conditions adverse or hazardous.

Red – Racing has come to a halt. All cars must stop.

Black – The "consultation flag." Driver must pit, usually due to rule violation.

Blue with Yellow Stripe – Move over and let faster cars by.

White – Final lap of the race.

Checkered – The race is over. A winner will be declared.

### **HEAT RACES**

Late Model – 5 Laps, Crate Sportsman, Renegade, Extreme 4,

Thunder Bomber and Pure Stock -5 Laps



## **MAIN EVENT**

Renegade 12 laps, Crate Sportsman 12 laps, Extreme 4, Vintage, Thunder Bomber and Pure Stock – 10 lap Main

Late Model – 20 laps Time limits will be strictly enforced.

**\*LAP COUNTS FOR SPECIAL EVENTS MAY BE CHANGED**

## **PROTEST**

No safety rules can be protested. To protest a car, you must finish directly behind the car you are protesting, OR you must protest all cars between you and the car you intend to protest. You cannot protest cars that finish behind you, UNLESS you have been protested by that car (back protester).

All protests must be originated at the scale area FIVE MINUTES after the conclusion of the event, once the light is displayed to begin time limit. The intent to protest must be written (PRINTED) and must be given to the tech-man only! Only the driver may wage a protest (NO CAR OWNER/CREWMEMBER/FAN can declare a protest of ANY TYPE!). At the conclusion of the time limit, a signal will be seen and/or heard indicating that protesting is over, and NO MONEY WILL BE ACCEPTED FROM THAT POINT.

Once a protest is waged, the driver of the protested car has FIVE MINUTES to exercise the option to back-protest.

The driver of the car that is protested must post track fee to

accept the protest.

If the car is declared LEGAL, then the track fee paid by the driver is refunded and the protester's fee (minus any track fee required to protest) is awarded to said driver.

If the car is declared ILLEGAL, then the track fee paid by the protested car will NOT BE REFUNDED and the protester will receive a 100% refund on the protest fee.

### **REFUSAL TO POST TRACK FEE ON PROTESTS OR TEAR DOWN**

**REFUSAL:** If you are protested and refuse to accept the protest by not paying the track fee and refusing teardown, then the protested car is declared illegal and will be required to start in the rear of that division's main event the following week.

After any protest is waged and any money has been paid, there will be NO CANCELLATIONS of the protest and money will not be refunded. The protest will be carried out as originally intended. In the event where the protester decides to cancel the protest, he/she will lose their protest fees.

The track reserves the right to deny any protest at ANY time. The racetrack MAY REJECT any protest due to impending threatening weather or lateness of time. No grudge protesting.

No protest will be accepted on any item outside of the motor (pulleys, brackets, etc.) or anything NOT covered in the rules.

Competitors must furnish their own tools for teardown.

Only THREE (3) people are allowed in the protest area per car that

has been protested. Only ONE (1) person allowed from car that is doing the protesting if no back protest. Only ONE (1) person from each car allowed in the tech room during tech inspections. NO ONE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS WILL BE ALLOWED IN THE TECH AREA AT ANY TIME!!! NO EXCEPTIONS!!!

After a protest is made on an engine specification, then cars must be ready in one-and a-half (1 ½) hours for official check. The engine will be checked no more than two (2) times and will be ruled on, LEGAL or DISQUALIFIED. You will be given an additional 30 minutes (1/2 hour) to pull oil pan.

**Definition of stock:** No modifications to factory parts or specifications. The absence of a specific rule does not imply approval, consent or permission regarding the subject.

**PROTEST FEES:** 2 items per protest in applicable classes. Track will keep \$100.00 of all fees.

**Renegade, Crate Sportsman** - \$300.00, \$150.00 to pull oil pan; \$100.00 to accept - \$600.00 to pull crank to weigh only. SHOCK CLAIM RULE: "Front \$80.00 each and rear \$125.00 each."

**Extreme 4** – Protest: Any 2 items, \$300 track keeps \$100: Head (cam included), Bore & stroke, Intake, Suspension, Clutch & Flywheel.

\$350: Crankshaft & Rods, oil pan will be removed, crank & rods will be inspected.

\*Track reserves the right to keep any part for clarification.

**VISUAL PROTESTS** - \$25.00 and will be kept by the track. Visual protests must be made before cars are called to the staging area prior to any event. Magnets may be used for aluminum products. Visual protest is on any item that can be seen without removing or opening body panels, including hood and decking. Bodies and sheet metal are not protestable and are policed by the track. Items that are deemed illegal by visual protest can be changed to be made legal before the next scheduled event, but the competitor must start at the rear of that next event (heat race or main event).

**FUEL PROTESTS:** \$150.00 and can be protested as a single item or used as a THIRD ITEM ONLY in another protest. On multi-car protests, if protesting fuel only, any cars finishing ahead of that car can be protested on fuel only.

**TIRE PROTESTS:** \$125.00 per tire for all divisions. Protesters will have the choice of tire to be analyzed. Only the top three (3) finishing cars can be protested on tires. Protesting will follow the same rules as any other protest (you can only protest the car finishing directly in front of you). Tire protests are allowed after main event only. Intent to protest tires must be in writing and presented to the tech man prior to the conclusion of the weigh-in at scales. Tires can be randomly checked by track for any division after any heats, qualifying or main events.

**TIRE PROTEST PROCEDURES:** All protested tire samples will be impounded and sent off the following Monday morning for analysis.

**Absolutely NO traction control devices of any type (electrical or mechanical) will be allowed or tolerated in any division.**

**Absolutely NO VACUUM PUMPS will be allowed or tolerated in any division.**

Any illegal device is subject to confiscation. All points and purse monies will be forfeited, and driver and car owner may be suspended indefinitely at the track's discretion.

**THE TECH MAN'S DECISION IS FINAL!** Drivers of cars that are declared ILLEGAL are automatically disqualified.

### **SUSPENSION POLICY**

Procedure for Suspension of Drivers from Competition at Lancaster Speedway

This will act as a warning to ALL competitors who race at Lancaster Speedway. At no time will any act of deliberate malice with the intent of damaging another competitor's race car, under a period of caution, red flag, or checkered flag, be allowed nor tolerated.

If any driver commits such an act of aggression with the end result being to eliminate any other car from competition for that race, that driver will be immediately disqualified from the event for that night and may serve a one-week suspension from racing at Lancaster Motor Speedway. If any driver returns from a suspension period, and that driver engages in the action again, they may be suspended for two weeks.

Any driver who has been suspended from competition for any set amount of time in the previous TWO seasons of racing and is found to commit such an act of aggression in violation of his policy, that driver will automatically be suspended for up to four weeks.

After the four-week suspension has ended, any driver who returns from that suspension and commits this offense for a third time, that driver will be banned from competition at Lancaster Super Speedway for the remainder of the season. Additionally, a monetary fine will be assessed to that driver (payable to Lancaster Super Speedway) prior to being allowed to return to racing at Lancaster Super Speedway the following season. There will be no appeals process for this policy.

## **SAFETY RULES**

Safety is the number one priority at Lancaster Motor Speedway; all cars and safety equipment are subject to safety inspection before being allowed to compete. All competitors must follow safety rules as stated in this rulebook.

1. Full face helmet, complete fire suit with racing shoes-  
MANDATORY.
2. Racing gloves are recommended but not mandatory.

3. Roll Cage - MANDATORY – Must have minimum of three (3) bars in driver's door. No aluminum or titanium cages permitted.
4. Window net – MANDATORY.
5. Fuel Cell MANDATORY (Must be mounted in Metal Can).
6. Seat Belts – Five (5) point system MANDATORY.
7. Windshield screen – MANDATORY
8. Fire Extinguishers – with gauge, mounted in a quick release harness in reach of drivers MANDATORY.
9. Scatter shield – MANDATORY.
10. Battery – must be mounted outside of driver compartment or in enclosed bolted down box.
11. Fuel Lines – Must be underneath car or in tubing.
- 12. Ballast Weight:** Any lead or steel weight added to any car in any division must be solidly mounted to the roll cage or chassis only, with a minimum of 2 ½" bolts. ALL weight must be painted white

## Limited Late Model

### **BODY:**

1. Weight -Built motor, 2375 lb, 604 crate 2200lb, 602 2100lb.
2. 602 Thunder Series and Mid East 602 Late Models cars can run their series rules and weigh 2200lbs except tires. All Cars on American Racer tires.
3. Rear of car may be open.
4. 78 inches at the top of the doors max side to side (width).  
Checked at firewall and behind driver's seat.
5. 72 inches max rear width measured at spoiler.
6. 78 inches max rear body width measured 12 inches below spoiler.
7. Maximum width of body measured at bottom of doors 86 inches. Measured in the center of doors.
8. 8" rear spoiler, 39" from ground to deck measured at middle of car.



## CHASSIS AND SUSPENSION:

1. Engine setback, 6" maximum, measured #1 spark plug to top center ball joint.
2. 101" minimum wheelbase.
3. Rear bumper may not extend over  $\frac{1}{2}$  width of rear tire on each side. Ends must be capped and should be angled to not be a puncture danger in the event of a wreck. May be curved inside rear quarter panels at 90 degree angle.
4. Front push bars allowed, may not exceed width of front chassis rail.
5. Suspension- OPEN- ANY TYPE
6. Front, rear wrecker pick up MANDATORY
7. No part of frame may be aluminum or titanium.
8. J bars only allowed
9. No hydraulic or remote adjustable 4 link bars allowed

**Radius Rods 1. All rear suspension radius rods must be of a fixed length. No hydraulic cylinders, torsion bars, bump rods,**

spring rods, slider rods or shock-type radius rods are permitted.  
**2. Heim joints must be a minimum 5/8, and a maximum 3/4" heim. No rubber bushings. 3. ONLY Two (2) radius rods per side.**

**Birdcages 1. Birdcages may consist of multiple barrels but must bolt or weld together to work as single barrel birdcage. 2. Limited one birdcage (1) per side. 3. Shock(s) and radius rods must mount to the birdcage. 4. Floating, pivoting and/or rotating mounts and/or brackets of any sort are not allowed. All brackets or mounts attached to the birdcage must be bolted or welded solid.**  
**No air shocks on chain limiters,**

## **SHOCKS:**

Pro Shock WB74 or 75 on front. AFCO 14 series also allowed, 74 or 75.

Pro Shock WB94 or 95 on rear. AFCO 14 series also allowed, 94 or 95.

Pro Shock WB74 or 14 series AFCO 74 for 5<sup>th</sup> coil.

Shock protest rule is \$100 per shock. Shock will be took to a shock dyno and tested. \$50 to accept.

No bump stops or stack springs permitted

**Only one shock with spring attached per wheel on the 4 corners, spring must be contacted with the shock, no phony shocks or sliders allowed.**

## **ENGINE #1**

1. Cubic inch- 365 cubic inch max. NO TOLERANCE.
2. Block- ANY CAST IRON.
3. Crankshaft- 48 lbs. minimum
4. Rods- Any Steel
5. Pistons- Any Flat top only
6. Camshaft-open
7. Heads- Cast iron (230 runner maximum) or Chevy 604 aluminum heads. Port and Polish OK.
8. Valves-stainless steel only, no titanium
9. Lube Systems- wet sump only
10. Intake- ANY
11. Exhaust System- ANY
12. Engine protest will be accepted on block, crank, pistons, cubic inch, carb, and valves.

## **ENGINE #2:**

LS Engine 5.3 "The Mighty Mouse"

The 5.3 engine comes from factory at 325 cubic inch. We are allowing .60 over bore. Maximum cubic inch is 335

1. Block: Cast iron 5.3 only
2. Heads: Factory GM casting numbers 706 and 862. Valve sizes intake 2.000. Exhaust valve 1.551 Maximum. Intake valve part numbers V3452 or V3466. Exhaust valve part number V4371. No porting or polishing of any kind to ports or combustion chamber. 58 cc minimum.
3. Rods: Must be factory stock rods only. Part numbers 143 or 3847. No lightning. You may balance new rod bolts, resize, and float the wrist pins. Stock length only.
4. Piston: Part number P5036 silvolite. You may zero deck the

block, no tolerance.

5. Camshaft: Part number EL5.3LSX. This cam is a hydraulic roller lifer cam. Lifters Part number 2281. Must be stock hydraulic roller lifters only. The camshaft must be purchased from Concord Engines 704-273-2453 (Ask for Tony)
6. Crankshaft: Part number 216. This is a stock production crankshaft. No lightning or cutting. Balance ok.
7. Intake: Part number 300-132 Holly Intake. No porting or polishing of any kind.
8. MSD Ignition Box: Part number 6014

Fords and Chevy's can run a one stage pump, but cannot have a tank. Lines have to be short and close to motor. May have a remote filter in return line. If there is a tank mounted on your car, you will be DQ'ed! This is not a dry sump setup!

## **FUEL SYSTEM:**

1. Fuel- **Gasoline, Racing Gas, or E-85 fuel allowed. No methanol or alcohol. None of the following chemicals are allowed in any fuel used for competition: No nitrous oxide, propylene oxide, nitroethane, MTBE, hydrazine, or ethylhexanol.** Must pass track test.

2. Carburetor— Box stock Holley 4777C. Choke flap may be removed. Will be checked regularly and have a \$600 claim rule. Jet changes allowed. May drill holes in butterfly. 4 corner idle ok.

3. Fuel Pump- any mechanical, NO ELECTRIC.

**IGNITION SYSTEM:** Any, No traction control allowed.

**DRIVE LINE:**

1. Transmission- ANY, must have working reverse.
2. Drive shaft- ANY must have hangers
3. Rear End- ANY
4. Must have operational 4 wheel braking system. Proportioning and RF brake shut off valve permitted.

**TIRES AND WHEELS:**

American Racer PRO-2 ONLY, right rear must be big tire and big block pattern.

Tires must punch 48 or better when hot. Grooving and siping are not allowed. Tires must match the benchmark sample at the independent laboratory. No tire enhancers allowed. Steel or aluminum wheels only. No carbon fiber or titanium.

**PROTEST RULES**

### **CARBURETOR:**

1. Protest \$150, \$50 to accept. Carb looked at by track and checked for any modifications.
2. If legal, carb owner gets \$150. Track keeps \$50.
3. If wrong, track keeps \$50, you are disqualified and the protestor gets \$150.
4. Carb claim fee of \$600,

### **TOP END PROTEST:**

1. Included in a top end protest are the heads, valves, pistons, and cubic inch.
2. Protest fee \$400, \$100 to accept.
3. If legal, owner gets \$100 back and \$300 of the protest fee. Track keeps \$100.00.
4. If illegal, track keeps \$100, Protestor gets \$400 back.

### **BOTTOM END PROTEST:**

1. Included in bottom end protest are the rods, pistons, crankshaft, and cubic inch.
2. Protest fee \$900, \$100 to accept.
3. If legal, \$100 returned plus \$800. The track keeps \$100.00.

If wrong, track keeps \$100. protesting driver gets \$900 back.

## CRATE SPORTSMAN

**BODY:** The objective is to keep the cars looking similar and as close to stock as possible.

No exposed bars allowed. Body must sit on frame in OEM position. Aftermarket (track approved) dirt bodies allowed. (ARbodies OK)

**WHEELBASE:** - Stock wheelbase for chassis being ran. ANY CHASSIS WITH A WHEEL BASE SHORTER THAN 108" WILL NOT BE ALLOWED.- NO jeeps or station wagons.

**NOSE:** Rubber nose OK... Nose must match tailpiece. (If you have a Camaro nose, you must run a Camaro tail piece, Monte Carlo, Nova Charger etc.) No Exotic or late model style noses, or elephant ears allowed.

**TAILPIECE:** Must run a tailpiece or sheetmetal. Sheetmetal must be from top of framerrails to deck and side to side.

**COCKPIT:** Must run complete, enclosed cockpit. You must have a floor pan under driver. Front firewall location may be moved for engine clearance. (unibody cars, please see below)

**SPOILER:** Height (Maximum 6"). Side spoilers (6" x 12"). You may have one 4" spoiler inside car.

**WEIGHT:** 3000lbs

**CHASSIS & SUSPENSION:** 1. Front Suspension components must remain stock or stock type for type of chassis running, unless otherwise stated. This includes draglinks, tie rods, spindles etc.

**FRONT SUSPENSION!**

2. All Johnson Chassis cars or cars utilizing Johnson Chassis components must sit at least 7.5 inches above ground level at all points (with the driver in the car).

3. Steering - stock type - Quickeners OK.

4. Front spring spacers OK. NO front screw jacks allowed. Only OEM rear trailing arms allowed. Rear spring- jack bolts OK. Rear spring buckets Ok. (Rear Jack Bolt Buckets can be NO taller than 6 inches)

5. Springs may be changed (stock location). Racing springs OK (No stack springs). 1 spring per wheel allowed.

6. A-Frames - Upper control arms may be tubular steel or modified OEM. Longer GM stock type Ball joints OK on upper only (No Screw in ball joints). Lower control arm must be OEM for frame used, must remain unaltered in stock position. Stock type



replacement ball joints only. (NO long ball joint may be used on lower) (NO Screw-In ball joints Allowed). No mono-balls allowed. You must run rubber bushings only.

**SHOCKS:** 1. **Shocks: Any Steel body non-adjustable racing shocks OK. NO Schrader valves. No Hypervalve or external fill port. NO bump stop on shocks. May relocate rear only. Front shocks must remain in stock location. Front shock mounts may be moved up (Vertically) to prevent bottoming out with 3" max. from stock position. Heim joints OK on shocks only.**

**Shock Claim - Front - \$150 each. Rear - \$200 each including Heims. Have to be claimed within 5 minutes after main event with money and written claim given together to tech man. Shock is bought "as is".**

2. Engine setback - #1 plug even with center top ball joint.

3. Framework may be reinforced. Unibody cars (frames) must have stock floor pan and must be in stock location. Tubing may run from front most rear spring mounting points (at intersection of frame and rear portion of the unibody) to the first turn-up of the front frame rail only. Mounting points for front frame rails must remain bolted in position. Frame may be X braced. Rusted out portions of floor pan may be patched. All suspension points must be in stock location. (Shock mounting points may be reinforced.)

4. UNIBODY cars must have stock floor pan & firewall (must be in stock location – no exceptions)

5. JOHNSON RACING X.Y.G Metric CHASSIS is the ONLY

aftermarket chassis allowed ([johnsonchassis.com](http://johnsonchassis.com))

6. Johnson SECA or Crate Racin USA X.Y.G TUBULAR FRAMES ALLOWED. ALL TUBULAR FRAMES WILL BE SERIAL NUMBERED.

**7. ANY TUBULAR FRAME WITHOUT THE SECA OR CRATE RACIN SERIAL NUMBERS WILL BE CONSIDERED ILLEGAL. ANY Johnson FRAME OR REPAIRED CLIP FOUND ALTERED COULD RESULT IN SEVERE FINES AND SUSPENSIONS FOR THE RACER.**

8. Stock Metric frames have the option to be repaired with SECA or Crate Racin USA tubular front and/or rear clip. Front and Rear Clips will also have SECA or Crate Racin USA serial numbers.
9. Stock Metric frames may run the following Johnson parts: Left Upper A Frame (JCI-09-02-003R), Right Upper A Frame (JCI-09-02-003L), Left Lower A Frame (JCI-09-02-01RC-L-SP), Right Lower A Frame (JCI-09-0201RC-R-SP), Rear Upper Trailing Arm (JCI-09-03-04B), & Rear Lower Trailing Arm (JCI-09-03-03B).

**ENGINE:** GM crate motor only. Part #88958602 (350 stock circle track engine - 88958602) ALL ENGINES (Factory Sealed, SECA sealed, & Unsealed) MUST meet GM specifications! May rebuild using GM parts as set forth by GM and must meet factory specs (GM changes to parts/ part numbers taken into consideration).

Any HEI distributor - Can be locked out. Vacuum optional. (May use any stock or any replacement cap, any rotor button) May run a MSD, DUI etc HEI module. (No Magnetos, Crank Trigger Systems, or Ignition Boxes)

**CARBURETOR:** - Box stock 650 Holley #4777. May remove choke

flap only. You may drill holes through butterfly. (May change jets, power valve, plastic secondary squitter arm replacement OK ) Any 1 or 2 inch Carb Spacer OK. 4 corner idle ok.

NO cold air boxes, (No metal or plastic allowed under the breather/and or carburetor). This includes any metal or plastic that may direct air, may cut hole in hood for air cleaner with max. 4 1/2" tall scoop or air deflector. Scoop may be no more than 4" wider than air cleaner. Spacer from Air Cleaner seal surface on Carburetor to base of Air Cleaner seal allowed, with max length of 4 inches.

**EXHAUST SYSTEM:** Schoenfeld #186 & #186CM ONLY (There are multiple #186 headers, these are the only two that measure as follows 1 3/4 Tube Diameter. 3 1/2 collector diameter x 8 collector length) No "X" or merge type pipes allowed. Maximum of 12" pipe ONLY (measured from end of collector), has to be the same diameter of collector. No additional pipe/tube/obstructions etc can be used to extend or create an extension of the exhaust or to create more back pressure. (ex. leaving a gap and mounting or hanging another pipe)

No electric radiator cooling fans. No mufflers allowed (unless track has mandatory requirements)

Aftermarket pulley system & belts OK. Any plugs and plug wires OK. No electric water pumps

**FUEL SYSTEM:** Must pass track test, no additives. Fuel Pump (stock type, mechanical only). Fuel cell is mandatory.

**DRIVELINE:** Single disc, stock or stock equivalent clutch or replacement clutch only. Clutch must have solid lining only. You

must have spring(s) in clutch.

Pressure plate must be stock or stock replacement only (steel only). Hydraulic throw out bearing ok. Pressure plate must weigh a minimum of 12 lbs. (This is to be weighed alone) If it is determined that you have modified, or altered the pressure plate, IT IS WRONG)

Flywheel- GM P/N 14088646 or aftermarket equivalent. 12.75" diameter. 14 lb. Min. weight.

Scatter shield or 3/16" plate around flywheel area-MANDATORY

**TRANSMISSION:** GM Saginaw or Muncie manual transmission 3 speed only. ALL working gears forward & reverse. All forward gears must be helical cut teeth. You may run 350 or 400 turbo automatic with OEM working torque converter. Flex plate must be GM #14088765 or GM #14088761. No power glides. (Transmission internal parts can NOT be polished, coated, or lightened.)

**DRIVE SHAFT:** Steel only (1 1/2" min. diameter)

**REAR END:** Stock factory or 9" Ford. Any ratio OK. Posi-traction or locked OK. Floater OK. 9" Ford mounting points must be stock type with NO adjustability. 4 1/2" max - 3 1/2" min from center of the axle tube to center of trailing arm bolt. (ANY ADDITIONAL HOLES MUST BE REMOVED) Gun drilled axles OK, Any gear OK. Polished & lightened ok. No titanium.

**REAR TRAILING ARMS:** Lower (OEM rear trailing arms only - must remain stock), Upper (May change length or relocate bolt hole for pinion angle), Left & Right Lower & Upper Trailing Arms must be

same length.

**BRAKES:** Stock type (4 wheel disc OK). No aftermarket or aluminum and they must have operational 4 wheel braking system. (No functional/non-functional brake cutoff allowed). NO Scalloped Rotors. Drilled Rotors, Racing Pedals, Adjusters, & Dual master Cylinders are OK.

1. **TIRES & WHEELS:** 8" steel wheels, Hoosiers M500, H500, Emod or American Racer 27.5-8.0-15, 26.5-8.0-15, medium, or hard compounds.

**PROTEST:** Items not covered below are considered track protest items and therefore track protest rules apply.

(2 Items) \$300.00 with track retaining \$100.00

Cam Protest: \$300

Bottom end only protest: \$600. Option 1: Weigh crank/check journals, visual rod and piston from the bottom. Crank weighed with gear and pilot. Option 2: Remove rod and piston from engine and visual crank/check journals in place. • Under hood visual protest: \$50.00 fee to look at carburetor and exhaust. (After heats only)

Clutch Assembly Protest includes clutch disk, pressure plate &

flywheel (\$200 - Track retains \$100). Tire Protest Fee (\$125 & \$125 acceptance fee). Fuel Protest Fee: (\$50.00).

## **RENEGADE**

### **BODY**

- 1.** American factory cars or ½ ton 2WD trucks only 102" minimum wheelbase. No jeeps. No clip cars or johnson chassis.
- 2.** Any Late Model Stock style nose piece, No MD3 or MD late model series or style allowed.
- 3.** Minimum roof size 48" X 48", 72" MAX body width.
- 4.** Sail panel 42" max, 4" minimum gap between sail panel and spoiler side, Back of car may be open
- 5.** Spoiler Height 50" MAX off the ground.
- 6.** Spoiler –MAX 8"; may run side spoilers 8" height, max 18 ½ length where it attaches to car; (Just like Late Model spoiler)
- 7.** NO cold air boxes of any kind; Aftermarket bodies (AR Performance XYG, Five Star, Performance Bodies, etc.) allowed

and must be approved by track.

**8.** May cut hole in hood for air cleaner with max 4 ½" tall scoop or air deflector. Scoop may be no more than 4" wider than air cleaner.

**9.WEIGHT= 3000lbs**

## **CHASSIS & SUSPENSION**

**STEERING:** Stock O.E.M. – quickeners OK.

1. Front suspension components must remain stock or stock type for type of chassis running unless otherwise stated. This includes drag links, tie rods, rotors, spindles, etc.
2. Adjustable front springs spacers OK. No front screw jacks. (Rear springs can be adjustable.) Springs must remain in stock position forward and aft, and left and right.

Spring buckets or cans OK. Height of bucket 6" maximum in stock location. SCREW JACKS ON REAR OK. Camaro rear springs may add AFCO springs sliders part #200036, 2.5" wide and 6" long.

Springs may be changed, racing springs, different lengths OK. No stack springs, no bump stops, no chains on suspension.

3. A-Frames, Upper may be tubular steel or modified O.E.M. Lower control arm must be O.E.M. for frame used, both must remain unaltered in stock position. Stock type replacement ball joints only, screw in type ok. Rear trailing arms OEM or aftermarket ok, cannot be adjustable arms.

Rear lower arms must be stock length, No mono balls. May run rubber, steel or plastic bushings. Spindle Savers ok.

4. **Shocks: Any Steel body non-adjustable racing shocks OK. NO Schrader valves. No Hypervalve or external fill port. NO bump stop on shocks. May relocate rear only. Front shocks must remain in stock location. Front shock mounts may be moved up (Vertically) to prevent bottoming out with 3" max. from stock position. Heim joints OK on shocks only.**
- 5.
6. **Shock Claim - Front - \$150 each. Rear - \$200 each including Heims. Have to be claimed within 5 minutes after main event with money and written claim given together to tech man. Shock is bought "as is".**

Engine setback - #1 spark plug even with center of top ball joint.

7. Framework may be reinforced. Uni-body cars (frames) must have stock floor plan and must be in stock location. Tubing may run from front-most rear spring mounting points (at intersection of frame and rear portion of the uni-body) to the first turn-up of the front frames rail only. Mounting points for front frame rails must remain bolted in position. Frame may be X braced. Rusted out portions of floor pan may be patched. All suspension points must be in stock location (shock mounting points may be reinforced).
8. Front and rear wrecker pick-ups are MANDATORY.



## 9. Can run Power Steering with Remote Reservoir.

### ENGINE

Engine must be same make as car. Engine must be STRICTLY STOCK. No factory high performance allowed.

**Cubic inch** – Chevy-350 C.I.; Ford-351 C.I.; Chrysler-360 C.I.

**Block**- stock cast iron OEM, may overbore .060 MAXIMUM - .005 Tolerance. May deck block to .000 deck only NO TOLERANCE.

**Crankshaft** – Factory stock for engine running OK. Minimum weight: Steel 50 lbs. Cast 47. Aftermarket OK, NO Knife edging or undercut counter weights, NO CUTTING ALLOWED.

**Rods** – factory stock for engine running OK. NO WORK ALLOWED OF ANY KIND. May run any rod bolt. May run eagle rod part # ESP 5700 BPLW or Scat part # SCA-25700P. Floating pin OK. Summit Speedmaster PCE274,1003 also allowed.

**Pistons** – May use any flat top or dish stock replacement piston, forged or Hypereutectic. Flat top piston must have 4 valve reliefs (factory). No custom machining allowed. Must use standard (wide) ring package 5/64", 5/64", 3/16". Factory applied coating on skirts ok. NO HIGH-PERFORMANCE PISTONS. NO LIGHTWEIGHT PISTONS.

**Intake** – Factory stock, cast iron, low rise only, valley pan ok. Any 1" spacer or adapter.

**Option 2** – Edelbrock Part #5001, 2101, 7101. Must remain stock out of box, no alterations.

**HEADS-** Dart head part # 10024361, 10021070 legal

Factory stock or Dart, cast iron OEM straight plug only, screw in studs allowed. No high performance, Vortec or double hump allowed. NO BLEND WORK ALLOWED. No less than 64 CC.

Competition Valve job OK, may not bore below guide boss. May run roller rockers, 1.5 ratio ONLY for Chevy, 3/8 and 7/16 stud, no stud girdles allowed. For other engine manufacturers, stock rocker ratio. Any steel valve spring. Any steel retainer. POLYLOCKS OK. GUIDE PLATES OK. Stock diameter stainless steel valves OK. May run Dart Head SS #10024361 or #10021070 but cannot alter anything other than the following: No porting or polishing intakes.

\* 64 CC MIN chamber volume.

\* Any stainless valve - 1 1/32" stem - 1.940 intake - 1.500 exhaust. No hollow stem valves, No titanium keepers, retainers, etc.

\* Any steel valve spring. Steel retainers and keepers only. Stud mounted rocker arms only - 1.5 ratio.

**Camshaft** – Must be Flat Tappet Hydraulic lifter only. Any timing chain. May degree camshaft .425 max lift for Chevrolet; All other max .450 lift. Lifter minimum of .125 travel. Stock diameter lifters only.

**Oil Pan** – Any wet sump.

**Exhaust system** – Any standard 4 into 1 collector. Any length pipe, must stay same diameter. No Stainless steel. No Coatings No tri-y's and No "X" or merge type pipes allowed. Mufflers OK

**Balancers**-stock type or aftermarket OK.

Manual EVAC System allowed. NO electric fuel pumps.

## **FUEL SYSTEM**

**Fuel:** Must pass track test, no additives

**Carburetor** – May run OEM, stock 2 barrel or 4 barrel. NO MODIFICATIONS OF ANY KIND. May run Holley 650 #4777. May remove choke flap only, may drill holes through butterfly. No other modifications allowed. (May change jets, power valve). 4 corner idle ok.

**Timing Chain** - gear set or wet belt cam timing ok. NO dry belts.

**Fuel Pump** – Stock type, mechanical only

## **IGNITION**

Stock appearing distributor with stock appearing module, may lock advance and /or change springs. May run brass distributor gear.

## **DRIVE LINE**

1. Clutch – factory stock OEM style clutch, NO HIGH

## PERFORMANCE.

2. Pressure plate – factory stock OEM style, 12lb Minimum.
3. Flywheel – factory stock may resurface, No lightening. 14lbs minimum weight. Scatter shield or 3/16' plate around flywheel area mandatory.
4. Transmission – factory stock automatic or straight drive with working reverse. No Richmond, No jerico, polished gears OK
5. Drive shaft – steel only. 1 ½" minimum diameter.
6. Rear end-stock type or may run 9" Ford. Must run stock mounting points with no adjustability only; any ratio OK. May be locked. Floaters OK. NO WIDE FIVES. Any axle or any gear.

## **BRAKES**

1. Stock type – 4-wheel disc OK; no aftermarket, no aluminum. Must have operational 4-wheel braking system. NO WIDE FIVES.
2. Racing pedals OK. Brake adjusters inside of car OK. No front drilled rotors.

## **TIRE & WHEELS**

2. Hoosiers M500 all the way around. H500 is an optional tire or American Racer 27.5-8.0-15, 26.5-8.0-15, medium, or hard compounds.
3. 8" maximum width steel wheels. Large wheel studs okay; bead locks OK – must be outward facing on all four wheels.

**NO GROOVING AND SIPING.**

**ANY ITEM NOT SPECIFIED ABOVE MUST BE APPROVED BEFORE HAND OR IT IS NOT LEGAL**

**EXTREME 4, SEHA RULES**

**ALL VEHICLES MUST BE STOCK AND UNALTERED AS DELIVERED**

## **FROM FACTORY UNLESS OTHERWISE STATED**

1. 1980 OR newer front wheel drive, 4-cylinder passenger cars only. No all-wheel drive or all wheel steering allowed. No vans or pickup trucks.
2. Body must maintain original dimensions, standard as from the manufacturer. Sheet metal body ok but must remain stock appearing. Aftermarket nose and tail may be used. Horizontal trunk lid surface must be covered, rear may be open. Aftermarket wing/spoiler OK on rear of car. If more then 2/3 of the body is sheet metal must add 50 LBS. Any shortening of stock frame must add 50 LBS.
3. Front fire wall must have all holes closed off. Fabricated dash and sheet metal interior ok.(Must have two access holes for inspection.) Floor pan, front and rear interior wheel wells must remain stock. If stock fuel tank is used trunk pan must be in place, if fuel cell is used must have rear fire wall in place. (If stock tank is behind rear axle it must be replaced with fuel cell enclosed in a steel can mounted securely in center of trunk.)
4. All glass and interior trim must be removed. All flammable material must be removed.

5. Hood must be held shut with at least two hood pins.

6. All vehicles must have seamless tubing 4-point roll cage with X braced hoop behind driver and a minimum of three door bars with vertical bracing from top to bottom. Where bars connect to frame must be a minimum 1/4-inch steel plate welded to frame in a secure and safe manner. Front and rear bars OK but cannot protrude beyond bodywork. Main components of 4-point cage and driver's door bars must be at minimum 1.5"x.095" tubing. Must add 3 crash bars in front of driver.

#### Engine/Transmission

7. NO PERFORMANCE ENGINES. Stock 4-cylinder engine only. Maximum displacement of 2.2 Liters. No variable valve timing engines. Engine must remain stock as delivered by the factory and must remain in stock location. No Cosworth or rotary engines. No turbocharged or supercharged engines. ABSOLUTELY NO NITROUS. All engines must be for the make/brand of car for which they were manufactured. All internal and external parts must be for engine being claimed. No engine components can be lightened, altered, or modified in any way. ARP rod bolts, head studs, reusable gaskets o.k. but must be stock thickness. No performance gaskets or spacers. No high-performance

components or aftermarket will be allowed in the engine or drive train. Stock carburetor or fuel injection system for the engine being competed only. Factory air box and piping with factory type filter (washable okay) or cone type air filter attached to corrugated piping inside of engine compartment may be used. (No slick wall piping) Cone filter may be attached directly to throttle body. (K&N ok) Exhaust manifold must remain stock with pipe extending beyond the driver's seat, parallel to the ground. Headers allowed only as delivered from factory for make/brand of car. All flywheels must be stock as delivered from factory. Saturns with 1.9L engine may lighten factory flywheel to 13lbs.

\*\*\* May Bore engines up to .40 over.

## Weight

8. Up to 1.9L 2100lbs

2.0L and up 2200lbs

9. There will no longer be any weight breaks for safety equipment. Strongly Recommend a full Containment seat, Head & Neck restraint. Fire extinguisher is required!

## Transmissions



10. All transmissions must have all working gears including reverse. No lightening, altering or removal of gears or transmission components. Open differentials may be welded.

## Suspension

11. Only stock suspension parts allowed. Drilling or cutting of the stock suspension parts for camber is OK but must be performed in a manner deemed safe by tech officials. Safety hubs OK. Car may be lowered with stock parts only. No performance or aftermarket shocks/struts, O.E. replacement or equivalent only. No adjustable coil overs. Stock shock location only. Cannot move where shock/strut mounts to car.

## Brakes

12. Must have functional OEM front brakes. Rear brakes may be removed. No bias adjusters or shut offs allowed.

## Wheels and Tires

13. 7-inch wide maximum. Racing wheels okay. May run racing wheel with beadlock on right front only if stock wheels on other 3. No excessive offset from stock wheels.

14. Tires must have DOT stamp and legal for highway use. No performance, trick, gumball, fancy or exotic tires of any kind allowed. Track reserves the right to disallow any tire from use in competition in this class.

## Safety

15. SFI or FIA approved racing seat with minimum 5-point harness required. Harnesses must be SFI or FIA certified and must be in date. Fire extinguisher with gauge, mounted in quick release harness in reach of driver is mandatory. Racing helmet with SA2015 rating required. No motorcycle helmets.

16. Anything to promote safety may be added with approval from tech man.

## Buy Rule

17. CAMSHAFT BUY RULE \$100 PER CAM. Only the car behind can buy.

\*\*\* WEEKLY RACING ONLY\*\*\* NOT SEHA SERIES TOUR RACES.

\*Computer Buy Rule \$150. Top 5 can buy furthest car back gets first choice.

\*Transmission Buy Rule \$500. Only car behind can buy.

\*Engine Buy Rule \$1,000. No bolt on's included, Only car behind can buy.

## PROTEST

\*Any item tech man deems altered will be disqualified if not covered in rules.

18. Intake, exhaust, throttle body and remove valve cover for visual inspection. \$150 \$50 acceptance fee. Track retains \$50

19. Complete engine protest. \$500. \$200 acceptance fee. Track retains \$200.

20. Visual protest \$25 must be presented to the tech man in writing 30 minutes before the main event.

21. Top five cars will be visual inspected directly after the main event each race. All cars may be subject to random inspection at any time.

22. Looking for small or unimportant errors or faults will not be tolerated or allowed. We are aware that this rule book may not cover every situation or issue. Officials have final say on ALL protested or claimed item issues. Tech man and track has the option to confiscate parts for clarification.

ALL RULES SUBJECT TO CHANGE OR CLARIFICATION A MINIMUM OF 2 WEEKS BEFORE NEXT EVENT AT THE DISCRETION OF THE TECH MAN. TECH MAN HAS FINAL SAY.

**VINTAGE**

(Drivers must be at least 15 years old to race in vintage class)

## **BODY**

1. Stock appearing American factory cars or ½ ton 2wd trucks only no minimum wheelbase. Body year must be 1976 or older.
2. Must run complete enclosed cockpit. No open holes through firewall to driver's compartment allowed. Must have full front & rear firewall. Does not have to be in stock position.
3. Spoilers: May only run 6" spoiler on the rear trunk lid.
4. No after-market bodies.
5. ALL bodies must have original body lines.
6. Bumpers must be stock appearing. No tubular bumpers allowed; additional bumper bars subject to approval.

**Weight:** 3100 lbs, 604 motor 3000lbs

Aluminum heads add 50lbs in front of firewall.

## **CHASSIS & SUSPENSION**

1. STEERING – Quickeners O.K. Rack and pinion OK.
2. Front spring spacers O.K. Front screw jacks OK. Rear Springs – jack bolts O.K. Springs may be changed.
3. A-Frames: uppers and lowers all allowed.
4. Shocks: any steel body stock appearing rear shocks can be moved; heim joints on shocks ok; no coil over or coil over eliminators allowed on the front; rear eliminators okay.
5. Engine setback - #1 spark plug maximum 1 ½ " behind top ball joint.
6. Framework may be reinforced. Frame may be x braced.
7. Front and rear wrecker pick-ups are MANDATORY.
8. Chassis must be track approved. No round bar chassis.
9. Roll cages must be track approved. Driver's doors must be plated.
10. Stock four links allowed, No aftermarket four link allowed.

## **ENGINE**

**Cubic inch** – 365 MAX

No vacuum pumps, may vent header.

**Block** – Any cast iron. Studs and strapping caps is O.K. Steel caps O.K.

**Crankshaft** – ANY

**Rods** - ANY

**Pistons** – ANY

**Intake** – ANY

**Heads** – Any cast iron or aluminum, Standard valve angles

**Camshaft** - Any

**Lifters** – ANY

**Oil pan** – ANY. No dry sump motors allowed.

**Exhaust System** – ANY.

**Balancer** – ANY.

**Carburetor** - ANY

## **FUEL SYSTEM**

1. No power adder or nitrous of any kind
2. NO Turbos. NO Blowers.
3. Fuel – any or pump gas. No alcohol fuel allowed.
4. Fuel pump – stock type, mechanical only

## **IGNITION**

1. Any MSD O.K.

## **DRIVE-LINE**

1. Clutch: Must run working clutch. NO direct drives or cheater buttons.
2. Pressure plate – any.
3. Flywheel – any.
4. Scatter shield or 3/16" plate around flywheel area – MANDATORY.
5. Transmission – Stock type with working reverse.

Automatics must have stock OEM working converter. No bert or brinn type



6. Drive shaft – steel only. 1 ½" minimum diameter.
7. Rear End – any.
8. Must have 2 drive shaft loops.

## **BRAKES**

1. Stock type: 4-wheel disc O.K. Aluminum O.K. Must have operational 4- wheel braking system.
2. Racing pedals O.K. Adjusters O.K.

## **TIRES AND WHEELS - ANY**

Protest - \$300, 100 to accept, 2 items - track keeps \$100, Cubic inch, block, heads, trans.

**ANY ITEM NOT SPECIFIED ABOVE MUST BE APPROVED BEFORE HAND OR IT IS NOT LEGAL.**

**PURE STOCK**

**GENERAL:** Track has the right to check this any week.

1. No nitrous or traction control.
2. May run engine fan. No electric.
3. May run air breather. Aftermarket OK, cannot pertude through hood. No air box.
4. Ford solenoid O.K.
5. Radiator and fan shroud may be made of aluminum.
6. No DOT racing tires.
7. Tires- any 70,75, or 78 series street legal DOT tire. Tires do not have to be the same size. No truck, mud grips, high performance, directional, special order, snow, trick gumball, fancy, or exotic tires of any kind.
8. Wheels must be stock steel or may run aftermarket nomad spoke wheels, (Wagon Style). 7" stock offset racing wheels only. No bead locks. 14" or 15" rims only.
9. Battery may be moved to inside drivers compartment and must be enclosed and securely mounted
10. Roll cage required. Must be 4 point with three drivers side bars and two right side bars minimum. No bumper bars. May run bars from main cage to rear body panel. May run

- bars from main cage forward to the radiator support.
11. Fuel cell mandatory. 22-gallon max. Hole in trunk may have 3" clearance cut around fuel cell. Fuel cell must be mounted inside of trunk with firewall between driver and fuel cell.
  12. Must have steel firewall where back seat was.
  13. Exhaust must be stock cast iron. No center dump manifolds. No X pipes or H pipes. Factory Y pipe O.K.
  14. Stock brakes only, dual master cylinders ok, no adjuster
  15. 3200 lbs after race min. After market aluminum body 3300lb. If don't have stock floor pan and firewall must have 50lbs in front of firewall.

**BODY:** Visual Protest only.

1. 1964 or newer American made car.
2. May use steel 2" below factory crease for quarter panels but must look stock and I do mean stock.
3. May use steel for doors but must look stock and I do mean stock.
4. May run rubber nose
5. No cutting, channeling, chopping, or shortening.
6. Hood hinges may be removed. May use hood pins to hold hood down.

7. All chrome, plastic, and glass must be removed.
8. Steering column may be changed and may use quick release steering wheel.
9. All firewall holes must be covered.
10. Must have stock firewall in original location.
11. May replace dash with sheet metal
12. After market power steering OK

### **WHEEL BASE/FRAME**

1. Stock only. 101" wheelbase minimum.

### **ENGINE BOTTOM END**

1. Engine must be strictly stock and in original mounts. 350 CI.
2. Repaired engine parts must be approved.
3. No high-performance engines or special-order parts.
4. Stock blocks only, 060" overbore max.
5. Must be stock replacement low compression piston. Speed Pro H423NCPO.K.
6. No flat top 4 eyebrow piston. Must be dished.

7. Pistons must be at least .009" in the block
8. No bottoming of lifters.
9. Stock crankshaft, no knife edging or lightning
10. Cast crank must weigh 48 pounds.
11. No stroking or de-stroking.
12. Balancing OK
13. Journals may be turned no more than .060".
14. Rod width may not be less than .940".
17. Stock timing chain or Cloyes C-3023X adjustable timing chain or equivalent.

## **HEADS:**

1. Heads open chamber 72 cc's.
2. No angle milling. No porting or polishing
3. Stock size of valve for make and model. 1.94, 1.50 max on Chevrolet.
4. Valve springs can be Z-28 springs. (125lb on seat, 290lb open Max)
5. Shims can be used under valve springs with a limit of .060" per

spring.

6. May use offset locks but not with shims. Must be either or, not both.
7. Rocker arms must be stock.
8. Steel valves only. Stock stem diameter.
9. No cutting under 60, no competition valve job, 3 angle valve job OK. 30,45,60.

## **INTAKE**

1. Stock cast iron.
2. No Holley pattern factory intakes.
3. Aluminum intakes on factory original cars must remain unpainted
4. Can block off exhaust gas crossover

## **CARBURETOR:**

1. Must be a stock 2 or 4 barrell Quadrajet.
2. Stock HOLLEY 4412 C, S, or CT 500 2 bbl. Use 1" adapter 2 to 4
3. No modifications except for choke flap removal

4. No removal of choke horn.

## **CAM**

1. Chevy .390"-.410" lift. 112 centerline with 2 degree's variants. Other makes and models will refer to factory specs. May degree cam.

2. Must be stock lift for model with at least 18" of vacuum at 1000 rpm.

3. Cam will be checked for duration of stock model. Cam will be removed from the engine for this protest.

4. Hydraulic cam and stock lifters only. No roller. Lifter must have minimum of .125 travel.

## **TRANSMISSION**

1. Automatic transmission

2. No power glides.

3. Torque converter must be stock or stock replacement. 12" minimum diameter.

4. May have a cooler mounted in drivers' compartment.

5. May run an aftermarket shifter.
6. Straight drive stock
7. Clutch assembly with flywheel 32lbs minimum, (pressure plate, clutch disc incl)

## **DRIVESHAFT**

1. Must be stock for model of car.
2. No carbon fiber.

## **IGNITION**

1. Stock or stock replacement ignition.
2. Stock or stock replacement distributor only.
3. No altering of firing order.

## **REAREND**

1. Gm 10 or 12 bolt rear-end.



2. 9" ford or floater ok. 9" Ford mounting points must be stock type with NO adjustability. (**ANY ADDITIONAL HOLES MUST BE BLOCKED OFF**)
3. Shocks must be in stock location. Must be stock or stock replacement.
4. Any gear ratio allowed.
5. Locked or limited slip rear ends allowed.
6. Full spools ok. (no scalloped)
8. No gun drilled axels.
9. No gun drilled rotors or scalloped rotors.
10. No lightening or polishing of ANY parts.
11. All components must be made of steel.
12. Disc brakes ok - doesn't have to match model of car.
13. Can cut top of trailing arms for pinion angle.

### **CAM Specifications**

- 1 - Stock cam or stock replacement cam only.
- 2 - Duration for intake + 2 degrees / -10 degrees.
- 3 - .006 - 256 degrees.
- 4 - .050 - 195 degrees.

5 - .200 - 95 degrees.

6 - Duration for exhaust + 2 degrees / - 10 degrees.

7 - .006 - 261 degrees.

8 - .050 - 202 degrees.

9 - .200 - 106 degrees.

10 - Must have 18" vacuum at 1000 rpm.

11 - Hydraulic cam and lifters only.

12 - Cams CS-274 Sealed Power and CCS-2 Melling and Comp Cam 12-105-3 are a stock produced cam and will be looked at with a little more variance. All custom ground cams will be required to meet the above specifications.

## **SUSPENSION**

1. Stock only. Racing springs ok.

## **PROTEST:**

1 - Protest bottom - \$500.

2 - Protest any 3 items - \$300.

3 - Cam protest - \$300 - Track keeps \$100.

4 - Acceptance fee - \$100.

5 - Track keeps \$100.

6 - **Tech man has final say.**

**ANY ITEM NOT SPECIFIED ABOVE MUST BE APPROVED BEFORE HAND OR IT IS NOT LEGAL!**

**PRO 4**

**2022 MID-EAST PRO 4 RULE BOOK**



**7.1 WEIGHT:**

**CLAIMED WEIGHT MUST BE POSTED CLEARLY ON BOTH SIDES OF**

A-PILLAR OR HOOD, OTHERWISE YOU ARE REQUIRED TO WEIGH THE MAXIMUM.

1. 1LB PER CC, 2000 CC MINIMUM / 2500 CC MAXIMUM  
**PLUS OVERBORE EXCEPT AS FOLLOWS**

**a.2000CC FORD 2100LBS PLUS 1LB PER CC OVER  
2000CC**

**i.MUST BE IN STOCK BLOCK . NO SLEEVED DOWN 2300 BLOCKS**

**b..120 OVER TOYOTA 3TC 2050LBS**

2. *MUST HAVE CLAIMED CC ON HOOD OR A-PILLAR. CARS WITHOUT WEIGHT WILL BE WEIGHED AT THE HIGHEST WEIGHT.*

### 7.2 GENERAL:

1. STOCK UNLESS OTHERWISE STATED
2. VERY LIMITED MODIFICATION TO CARS, SUSPENSION AND ENGINES.
3. ANY 4 CYLINDER, 2 WHEEL DRIVE MINI TRUCK AND STATION WAGON.
4. WHEELBASE MUST BE WITHIN **1"** OF FACTORY SPECIFICATIONS.
5. REAR WHEEL DRIVE VEHICLES ONLY.

7.3 BODY NON-PROTEST ITEM GOVERNED BY MID EAST OFFICIALS: THOUGH THEY MAY NOT BE PROTESTED THE BODIES MAY BE OBSERVED, MEASURED, ETC. AS NECESSARY. IF MID EAST OFFICIALS DO NOT APPROVE, YOU WILL BE ASKED TO CHANGE IT, ADD WEIGHT OR ANYTHING DEEMED NECESSARY BY THE OFFICIALS. AFTERMARKET DIRT BODIES ALLOWED. ALL BODIES SHOULD CARRY ORIGINAL BODY LINES WITHIN REASON. CAR MUST BE NEAT IN APPEARANCE. STOCK STEEL BODIES OR

ALUMINUM AFTERMARKET BODIES ALLOWED. BODY WIDTH MAY NOT EXCEED 70" AT THE TOP OF DOORS OR QUARTERS AND 76" AT THE BOTTOM OF DOORS AND QUARTERS. THE MMSA BODY DIAGRAM WILL BE USED AS A GUIDELINE TO CONTINUE TO GET THE LOCAL CARS IN COMPLIANCE WITH THE MID-EAST RULES.

### 7.3.1 BODY CONTINUED

BODY MAY BE FABRICATED FROM STEEL OR ALUMINUM, BUT MUST FOLLOW STOCK BODY LINES. CANNOT EXCEED STOCK BODY DIMENSIONS. **HOLE FOR THE AIR CLEANER IN THE HOOD IS ALLOWED HOWEVER IT MUST BE ENCLOSED ON THE FRONT AND SIDES. NO HOOD SCOOPS.**

FRONT FIREWALL MUST BE STEEL AND MUST BE IN STOCK LOCATION. FLOOR PAN MUST BE STOCK OEM IN STOCK LOCATION. ANY PATCH PANELS INSTALLED IN THE FLOOR PAN **OR FIREWALL** DUE TO RUST OR DAMAGE MUST BE STEEL.

REAR FIREWALL MAY START BEHIND THE DRIVER'S SEAT. ALUMINUM OR STEEL MAY BE USED TO BOX IN THE DRIVER'S COMPARTMENT.

CARS WITH A BOXED IN INTERIOR MUST HAVE A 12" X 12" REMOVABLE INSPECTION PANEL TO CHECK THE ENCLOSED AREA. ALL INTERIOR PANELS MUST BE SEALED WELL ENOUGH TO PREVENT FIRE, HOT OIL, OR FUEL FROM ENTERING THE DRIVER COMPARTMENT. HOODS MUST BE RUN AT ALL TIMES UNLESS CRASH DAMAGE PREVENTS IT. ALL VEHICLES MUST HAVE A ROLL CAGE AS SPECIFIED IN THE SAFETY SECTION OF THE MID-EAST GENERAL RULES.

#### 1. ROOF:

- a. THE MINIMUM ROOF SIZE IS 42" IN WIDTH AND 48" IN LENGTH WITH A MAXIMUM 4" RAKE.
- b. ROOF REQUIRED UNLESS OTHERWISE NOTIFIED (EX. SPECIAL EVENTS)
  - i. MAY HAVE STEEL OR ALUMINUM THE DIMENSION OF THE HALO FOR SAFETY PURPOSES
  - c. ROOFS MUST HAVE SOME TYPE OF ROLL OR SHAPE, NO FLAT ROOFS ARE PERMITTED.
- 2. NOSE:
  - a. NO FINS OR FLARES EXTENDING OVER THE HOOD OF THE CAR. NO LATE MODEL FENDER FLARES.
  - b. THIS IS A PRO 4 CLASS, CARS SHOULD BE SIMILAR TO 4 CYLINDERS.
  - c. STOCK SHAPE AND STYLE NOSES ONLY.
    - i. NO MD3, WEDGE OR LATE MODEL STYLE NOSES.
- 3. TAILPIECE:
  - a. TAIL OF CAR MUST BE COMPLETELY ENCLOSED. NO HOLES IN TAIL PIECES. STOCK PLASTIC, SHEET METAL OR ALUMINUM TAIL PIECES ALLOWED AND MUST EXTEND QUARTER PANEL TO QUARTER PANEL WITH NO GAPS. ALSO, TAIL PIECE MUST BE MOUNTED STRAIGHT UP AND DOWN (NO ANGLE) AND EXTEND BELOW FRAME HORNS IN A STRAIGHT, HORIZONTAL LINE FROM QUARTER PANEL TO QUARTER PANEL.
- 4. COCKPIT:
  - a. MAY RUN COMPLETE, ENCLOSED COCKPIT.
  - b. MINIMUM OF 22 GAUGE SHEET METAL OR .040 ALUMINUM.
  - c. IT IS RECOMMENDED THAT THE DRIVERS DOOR IS PLATED WITH .25" STEEL.
  - d. 13" MINIMUM OPENING FRONT SIDE AND REAR OF DRIVER.

- e. **RADIOS ARE NOT PERMITTED. MIRRORS ARE AT THE DISCRETION OF THE TRACK**
  - f. FIRE WALL REQUIRED BETWEEN DRIVER AND FUEL CELL. *MINIMUM OF 22 GAUGE STEEL/ SHEET METAL.*
5. SPOILER:
- a. HEIGHT (MAXIMUM 6"). WIDTH (MAXIMUM 68")  
SIDE SPOILERS AND SUPPORTS ARE PERMITTED.
  - b. NO MORE THAN 3 BANDS, RODS, WIRES, FINS ETC.  
SUPPORTING THE SPOILER.
  - c. NO HOLES OR FLAPS IN SPOILERS OR SPOILER FINS
  - d. ANY SPOILER ANGLE PERMITTED. MUST BE SAME  
ANGLE LEFT TO RIGHT.
  - e. NO DEVICES OR FABRICATIONS SUCH AS  
UNATTACHED WINGS/FINS IN FRONT OF SPOILER.
  - f. SPOILER MUST BE MOUNTED TO DECK. NO  
SPOILERS ON ROOFS.
  - g. THE MAXIMUM HEIGHT FROM THE GROUND TO  
THE TOP OF THE SPOILER IS 48 INCHES. THERE IS  
NO TOLERANCE FOR THIS MEASUREMENT.
6. DECK HEIGHT
- a. THE MAXIMUM DECK HEIGHT IS 38 INCHES. THERE IS  
NO TOLERANCE FOR THIS MEASUREMENT.

#### 7.4 CHASSIS & SUSPENSION:

- 1. FRONT AND REAR SUSPENSION COMPONENTS MUST  
REMAIN STOCK OR OEM STOCK **REPLACEMENT FOR MAKE**  
OF CHASSIS RUNNING, UNLESS OTHERWISE STATED.
  - a. **FORD MAY MACHINE SPINDLE TO ACCEPT LATE  
MODEL STRUT. CUT MUST REMAIN PARALLEL TO  
THE FACTORY MACHINED SURFACE. NO TAPERED**

**SHIMS OR TILTING OF SPINDLE ALLOWED.**

2. FRONT AND REAR SUSPENSION MOUNTING POINTS MUST BE STOCK.
3. ADJUSTABLE CASTER AND CAMBER PLATES ARE PERMITTED.
4. ADJUSTABLE SPRING CUPS PERMITTED FRONT AND REAR.
5. JACK SCREWS PERMITTED IN THE REAR ONLY.
  - a. NO IN-CAR ADJUSTMENT PERMITTED.
6. STOCK UPPER AND LOWER A-ARMS ONLY.
  - a. **FRONT A ARMS MAY BE MODIFIED FOR CASTER/CAMBER ADJUSTMENT. NO FABRICATED OR ADJUSTABLE A ARMS ALLOWED.**
7. STOCK NON-ADJUSTABLE REAR TRAILING ARMS ONLY.
  - a. **UPPER TRAILING ARMS MAY BE MODIFIED FOR PINION ANGLE. NO FABRICATED OR ADJUSTABLE TRAILING ARMS ALLOWED**
8. ANY BUSHING PERMITTED. (RUBBER, NEOPRENE, MONOBALLS ETC.)
9. STEERING GEAR MUST BE STOCK FOR THE VEHICLE BEING RACED. QUICKNERS PERMITTED.
10. COLLAPSIBLE TYPE STEERING SHAFT WITH QUICK RELEASE STEERING HUB RECOMMENDED.
11. NON ADJUSTABLE LOWERING BLOCKS ALLOWED. RACING SPRINGS PERMITTED. STOCK LOCATION ONLY.
  - a. **ONE SPRING PER WHEEL. NO PROGRESSIVE SPRINGS, NO DUAL RATE SPRINGS, NO STACKING OF SPRINGS.**
  - b. **ONE SPRING RUBBER PER WHEEL.**
12. **PANHARD BAR MAY BE SHORTENED BUT MUST BE NON ADJUSTABLE.**

**7.5 IGNITION:**



1. STOCK OEM DISTRIBUTOR AND COIL FOR MAKE OF CHASSIS RUNNING. MELS IGNITION PERMITTED.

a. **IGNITION SYSTEMS THAT CAME FACTORY WITHOUT A DISTRIBUTOR WILL HAVE TO BE PRE APPROVED.**

2. AFTERMARKET MULTIPLE AND/OR ADJUSTABLE ELECTRONIC SYSTEMS ARE NOT PERMITTED.

a. NO TRACTION CONTROL.

#### 7.6 CARBURETOR:

1. STOCK OEM OR GAUGE LEGAL HOLLEY 350 #7448 OR **0-80787-1** ONLY. NO POLISHING OR GRINDING

a. **MAY TUNE CARBURETOR WITH JETS, BLEEDS, BUTTERFLY HOLES, VENT, ETC. SHORT BUTTERFLY SCREWS OK**

2. **MUST HAVE CHOKE HORN WITH NUMBER. FLOAT BOWL MUST FACE FRONT OF ENGINE. MAY USE EPOXY OR SAFETY WIRE ON BOOSTERS.**

3. ALL CARBURETORS MUST HAVE CONVENTIONAL STYLE FLOATS ALONG WITH NEEDLES AND SEATS.

4. NO INDIVIDUAL CYLINDER TUNING OR EQUIVALENT ALLOWED.

5. **ALL CARBURETORS MUST HAVE CONVENTIONAL STRAIGHT LEG BOOSTERS ONLY.**

6. 1" INCH MAXIMUM CARBURETOR SPACER/ADAPTER .010 TOLERANCE. **SPACER MUST BE ONE PIECE WITH NO INSERTS ETC.** SPACER MAY NOT EXTEND INTO THE MANIFOLD AREA.

7. TWO STANDARD (.070" MAX THICKNESS) GASKETS PERMITTED ON SPACER/ADAPTER.

#### 7.7 EXHAUST SYSTEM:

1. EXHAUST EVAC SYSTEMS ALLOWED. (1) MUFFLER PER HEADER ALLOWED. **MUFFLER MAY NOT PROTRUDE INTO COLLECTOR**

2. STOCK MANIFOLD OR SPEC SCHOENFELD HEADERS ALLOWED. FORD MAY USE F-234V OR F-235V. TOYOTA 3TC MAY USE T-168
  - a. ALL OTHER MAKES THAT DOES NOT HAVE A SPEC HEADER OFFERED WILL HAVE TO PRE APPROVED.
3. NOTHING MAY PROTRUDE INTO THE COLLECTOR EXCEPT FOR EVAC TUBE.
4. TURNDOWNS AND EXTENSIONS PERMITTED.

### 7.8 FUEL SYSTEM:

1. RACING FUEL (110) ONLY.
2. ELECTRIC FUEL PUMPS RECOMMENDED TO HAVE A KILL SWITCH THAT WILL CUT OFF IN THE EVENT THAT THE OIL PRESSURE DROPS.
3. FUEL IS SUBJECT TO LABORATORY TESTING AND FUEL MAY NOT CONTAIN ANY ADDITIVES.
  - a. THE SPECIFIC ELEMENTS WHICH WILL BE SEARCHED FOR INCLUDE: PROPYLENE OXIDE, ALCOHOLS (ALL TYPES), ALDEHYDES, AMINOBIIPHENYL, BENZENE (IN EXCESS OF EPA LIMIT), BENZIDINE, BERYLLIUM COMPOUNDS, BROMINE COMPOUNDS, BUTADIENES, CHLORINATED COMPOUNDS, CHROMATES, DIOXANES, ETHYL ACRYLATE, ETHYLENE OXIDE, HYDRAZINE COMPOUNDS, METHYLENE DIANILINE, NAPHTHYLAMINE, NITROGEN COMPOUNDS (NITROMETHANE, ET AL.), STYRENES, TOLUIDINE AND XYLIDINE. ALSO ADDED THIS LIST WILL BE SUBSTANCES DEEMED TO EXCEED THE THRESHOLD LIMIT VALUES (TLV) OR BIOLOGICAL EXPOSURE INDICES (BEI) AS LISTED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL

INDUSTRIAL HYGIENISTS (ACGIH).

- b. **NO E85, ETHANOL, METHANOL OR ALCOHOL BASED FUELS. NO OXYGENATED FUELS.**
4. FUEL SAMPLES MAY BE TAKEN AND SENT TO AN INDEPENDENT LAB FOR TESTING AND MUST MEET BENCHMARK AT ALL TIMES.
5. SFI CERTIFIED FUEL CELL WITH ROLL-OVER VALVE MANDATORY.
6. IN-LINE FUEL SHUT OFF RECOMMENDED WITHIN REACH OF DRIVER.
7. TRACK FUEL HIGHLY RECOMMENDED.

7.9 DRIVELINE:

1. ALL CARS MUST HAVE SAFETY LOOP FOR DRIVESHAFT.
  - a. DRIVESHAFT MUST STEEL AND WHITE IN COLOR FOR SAFETY. **MINIMUM 1.5" DIAMETER**

7.10 TRANSMISSION:

1. SCATTER SHIELDS HIGHLY RECOMMENDED.
2. PRODUCTION TRANSMISSIONS MUST HAVE HELICAL CUT TEETH.
3. OEM/PRODUCTION UNLESS OTHERWISE STATED. **MAY REMOVE SPEEDOMETER PARTS**
4. FLYWHEEL MUST BE STOCK AND WEIGH 16 LBS MINIMUM. NO SCALLOPED FLYWHEELS.
  - a. **ANY OTHER MAKES WITH LIGHTER FLYWHEELS MUST BE PRE APPROVED.**
5. STOCK OR STOCK REPLACEMENT CLUTCH AND PRESSURE PLATE ONLY. **STOCK BOLT PATTERN. STUDS OK. MINIMAL BALANCING ALLOWED.** a. **NO REDRILLING, OR LIGHTENING OF PRESSURE PLATE**

7.11 SHOCK/STRUT RULE

1. \$100 CLAIM RULE PER CORNER. WILL FOLLOW CLAIM PROCEDURES.
2. FRONT AND REAR SHOCKS MUST BE IN STOCK LOCATION. SHOCKS MUST BE MOUNTED VERTICALLY (NOT UPSIDE DOWN). STOCK STRUT/SHOCK TOWER REQUIRED. MAY CUT ONLY WHAT IS NECESSARY FOR CASTER/CAMBER ADJUSTMENT.
3. SHOCKS/STRUTS MUST BE STEEL.
4. NO ADJUSTABLE SHOCKS OR STRUTS 5. NO REBUILDABLE OR TAKE APART SHOCKS
6. SHOCK EXTENSIONS OK.
7. SCHRADER VALVES NOT PERMITTED.

#### 7.12 REAR END:

1. STOCK FOR MAKE NON-FLOATER UP TO 8.8 IN.
2. ANY GEAR RATIO PERMITTED. MUST BE LOCKED
3. NO WHEEL SPIN SENSING DIFFERENTIALS ALLOWED.
4. NO RATCHETING DIFFERENTIAL. STEEL MINI SPOOLS ARE OK.
5. MUST HAVE ALL PARTS IN REAR END UNLESS REPLACED BY MINI SPOOL.
6. LIGHTENED RING GEARS MUST ADD 25LBS (NO POLISHING)

#### 7.13 BRAKES:

1. STOCK TYPE (4-WHEEL DISC APPROVED). BRAKE COMPONENTS MUST MATCH MAKE AND MODEL OF CAR.
  - a. ROTORS IN QUESTION WILL BE CHECKED.
  - b. NO GUN DRILLED ROTORS. NO SCALLOPED ROTORS
2. RACING PEDALS, SHUTOFF & DUAL MASTER CYLINDERS ARE ALLOWED.

- a. **MUST HAVE WORKING 4 WHEEL BRAKES POST-RACE 3. NO DRUMS LIGHTENED ON THE OUTSIDE.**
4. NO EXOTIC BRAKING SYSTEMS
5. NO BRAKE BIAS ADJUSTERS INSIDE THE COCKPIT.

#### 7.14 TIRES & WHEELS:

1. ANY 60 OR 70 SERIES STREET LEGAL TIRE. TOWEL CITY RECAP PERMITTED HARD COMPOUND ONLY. **NO DOT RACING OR COMPETITION TIRES ALLOWED.**
2. 13X7IN STEEL WHEELS ONLY, ANY OFFSETS PERMITTED, SPACERS PERMITTED.
  - a. BEADLOCKS PERMITTED ON THE RIGHT SIDE ONLY.
3. GROOVING AND SIPING NOT PERMITTED.
  - a. AGGRESSIVE BUFFING MAY BE CONSIDERED SIPING;  
*USE OF CARBIDE/NAIL STYLE DISCS IS PROHIBITED*
4. TIRES MUST PUNCH 55 OR HIGHER AND ARE SUBJECT TO BEING CHECKED AT ANY TIME.
5. SUBJECT TO CHEMICAL LAB TESTING, REQUIRED TO CONFORM TO BENCHMARK AT ALL TIMES.
  - a. LAB RESULTS ARE INDEPENDENT AND THE LAB HAS FINAL SAY ON WHETHER THE TIRE HAS BEEN ALTERED.
    - i. IT IS SUGGESTED TO WASH TIRES ONLY WITH WATER. DEGREASERS MAY REMOVE OILS IN THE TIRE RESULTING IN FAILURE TO MEET MANUFACTURER'S BENCHMARK.

#### 7.15 ENGINE:

**ALL ENGINE CORE PARTS (BLOCK, HEADS, CRANKSHAFT AND INTAKE) MUST HAVE BEEN AVAILABLE ON CARS OR TRUCKS SOLD TO THE GENERAL PUBLIC BY MASS PRODUCTION. ALL PARTS MUST BE OF THE SAME BRAND VEHICLE YOU ARE RACING. ALL PARTS MUST HAVE COME**

ON VEHICLES FROM THE UNITED STATES OF AMERICA. NO FRONT WHEEL DRIVE, MARINE, INDUSTRIAL OR SPECIAL PRODUCTION PARTS SHALL BE PERMITTED.

1. ENGINE

- a. ENGINE MUST USE BABBIT STYLE BEARINGS ONLY. NO NEEDLE OR ROLLER BEARINGS. COATED BEARINGS OK.
- b. MUST BE NATURALLY ASPIRATED, 2 VALVE PER CYLINDER ENGINES ONLY.
- c. NO ROTARY OR DOHC ENGINES ALLOWED. NO FUEL INJECTION OR MULTI-CARB ENGINES.
- d. ENGINE MUST BE THE SAME MAKE AS THE CAR.
- e. STOCK OEM ONLY WITH MAXIMUM OVERBORE OF .080 OR .120 FOR TOYOTA 3TC. ALL ENGINES ALLOWED 10CC TOLERANCE FOR WEAR INCLUDING BORE WEAR AND STROKE TOLERANCE COMBINED.
- f. 2500 CC MAXIMUM PLUS OVERBORE. CC WILL BE FIGURED BY:  $\text{BORE} \times \text{BORE} \times \text{STROKE} \times .7854 \times 4 = \text{CUBIC INCHES (CI)}$  DIVIDED BY .061= CC
- g. ENGINES MUST BE IN STOCK LOCATION.
- h. PISTONS
- i. MAY USE ANY FLAT TOP.
- ii. 3TC TOYOTAS MAY USE .235 DOME.
- iii. 3TC .267 DOME MUST ADD 50LBS, NO .267 DOME IN 2023
- iv. 20R AND 22R MAY USE .125 DOME.
- v. PISTON PINS MUST BE STEEL

i. CRANKSHAFT AND RODS

i. CRANKSHAFT MUST BE STOCK OEM WITH STOCK STROKE. **.010" TOLERANCE ON STROKE. MINIMUM ROD JOURNAL**

**Diameter IS 1.847" FOR**

ALL MAKES ANY CAST OR  
STEEL RODS PERMITTED.  
NO TITANIUM OR  
ALUMINUM

iii. MINOR CRANK BALANCING ALLOWED BY  
DRILL HOLE, GRINDING, OR WELDING. TECH  
DISCRETION iv. CRANKSHAFTS MAY BE  
CHANGED FROM ONE SIZE TO ANOTHER  
WITHOUT MODIFICATION

v. NO LIGHTENED CRANK SHAFTS.

j. HEADS

- i. MUST BE STOCK OEM, NO PORTING OR POLISHING
  - ii. NO EXTRUDE HONING ALLOWED. NO ACID PORTING
  - iii. PORTS MUST REMAIN FACTORY OEM SHAPE AND VOLUME.
  - iv. HEAD MAY BE ANGLE CUT. BOWL CUTS ARE ALLOWED BUT CAN NOT EXCEED THE ID OF THE VALVE SEAT AND CAN BE NO DEEPER THAN THE VALVE GUIDE BOSS. MAY CUT TO THE VALVE GUIDE BOSS BUT NOT PAST THE BOSS.
  - v. BOWL CUT MUST BE CONCENTRIC WITH THE VALVE GUIDE.
  - vi. HEADS MAY BE CHANGED FROM ONE SIZE ENGINE TO ANOTHER WITHOUT MODIFICATION.
- k. VALVES
- i. VALVE ANGLE MUST REMAIN OEM STOCK. MAY HAVE A COMPETITION VALVE JOB, ANY SEAT ANGLE PERMITTED
  - ii. ANY STOCK DIAMETER STEEL VALVE PERMITTED. iii. FORD 2300 MAXIMUMS - INTAKE 1.751 AND EXHAUST 1.509 iv. NO HOLLOW STEM VALVES PERMITTED.

- v. DOUBLE VALVE SPRINGS PERMITTED.
- vi. STEEL RETAINERS ONLY.
- vii. .025 LASH FOR SOLID LIFTER AT THE VALVE.
- viii. NO ROLLER ROCKERS.
  - I. CAMSHAFT
    - i. .425 MAXIMUM LIFT.
      - 1. TO BE MEASURED WITH 0 LASH FOR HYDRAULIC
  - ii. NO ROLLER CAMS OR FOLLOWERS PERMITTED. **MUST BE STOCK FIRING ORDER FOR MAKE.**
  - iii. MAY UTILIZE ADJUSTABLE CAM GEARS.
  - iv. **LIFTER MUST BE STEEL WITH STOCK DIAMETER ONLY. SOLID OK**
  - v. **ANY STEEL PUSHROD OK.**
  - vi. **COATED OR PADDED FOLLOWERS OK.**
    - m. INTAKE
      - i. **STOCK OEM ONLY. FORD APPROVED MANIFOLDS ARE D4, D9, E1 ONLY**
      - ii. **NO FUEL INJECTION MANIFOLDS EXCEPT FOR MAKES THAT CAME WITH FUEL INJECTION MANIFOLDS BUT MUST BE PRE APPROVED**
      - iii. **MAY BORE STRAIGHT DOWN FOR CLEARANCE TO SPACER. NO RADIUS, TAPERING OR BLENDING.**
      - iv. **STOCK OR STOCK REPLACEMENT INTAKE GASKET ONLY. .070" MAX THICKNESS. GASKET IS PART OF THE INTAKE PROTEST.**
      - v. **NO MODIFICATIONS.**
      - vi. **NO COATINGS.**
        - n. OTHER
          - i. **WATER PUMP MUST BE STOCK TYPE AND IN**



STOCK LOCATION DRIVEN  
BY A BELT.

- ii. ANY BALANCER  
PERMITTED. iii. ANY  
PULLEYS PERMITTED. iv.  
RACING RADIATOR  
PERMITTED.

v. ANY BELT DRIVEN ALTERNATOR OK.

### 7.16 OIL SYSTEMS:

- 1. WET SUMP STOCK PUMP ONLY. NO EXTERNAL OIL PUMPS  
OR SYSTEMS (EVEN IF CONSIDERED "WET").
- 2. OIL COOLERS AND REMOTE OIL FILTERS PERMITTED.

7.17 PROTEST AND CLAIM: *ITEMS NOT COVERED BELOW ARE  
NON-PROTEST ITEMS AND WILL BE GOVERNED BY MID EAST AND  
TRACK OFFICIALS.*

### 1. ENGINE PROTEST:

- a. TECH OFFICIAL HAS FINAL SAY CONCERNING ANY  
RULE, PROTEST OR SITUATION.
- b. 2 ITEMS (\$300; \$100 ACCEPTANCE FEE RETAINED  
BY THE TRACK/SERIES. CAN ADD FUEL FOR  
ADDITIONAL FEE.
- c. BOTTOM END PROTEST ONLY (\$400; \$100  
ACCEPTANCE FEE, TRACK/SERIES RETAINS \$100,  
\$400 TO PROTEST WINNER.)
- d. NO VISUAL PROTESTS, BODIES AND VISUAL ITEMS  
ARE GOVERNED BY MID EAST PRO 4 AND TRACK  
OFFICIALS. ITEMS OF CONCERN MAY BE

ADDRESSED PRIOR TO QUALIFYING IN WRITING TO A MID-EAST OR TRACK OFFICIAL.

- e. LOOKING FOR SMALL OR UNIMPORTANT ERRORS OR FAULTS WILL NOT BE TOLERATED OR ALLOWED. WE ARE AWARE THAT THIS RULE BOOK MAY NOT COVER EVERY SITUATION OR ISSUE. MID EAST AND TRACK OFFICIALS HAVE FINAL SAY ON ALL PROTESTED ITEM ISSUES.
- f. IF DEEMED “CHEATING WITHIN THE BOLTS” (EX. CAM, CRANK, PISTONS, HEADS ETC.) DRIVER MAY BE FINED AND POTENTIALLY SUSPENDED FROM MID EAST PRO 4 COMPETITION. ALL WEEKLY CHAMPIONSHIP POINTS AND PRIZE MONEY ARE FORFEITED FOR THAT EVENT, DRIVER CANNOT COMPETE AT ANY SANCTIONED TRACK IN MID EAST PRO 4 SANCTIONED EVENTS UNTIL SUSPENSION IS COMPLETE AND FINE IS PAID, IF APPLICABLE.

2.

3. FUEL PROTEST FEE (\$150 & \$150 ACCEPTANCE FEE; \$150 TO WINNER OF PROTEST).

- a. FUEL NOT CONFORMING TO THE BENCHMARK WILL RESULT IN DISQUALIFICATION, LOSS OF POINTS AND PRIZE MONEY AS WELL AS:

4. PROTEST PROCESS

- a. ONLY DRIVER/CAR OWNER MAY PROTEST. PROTESTING CAR MUST COMPETE IN RACE IN QUESTION TO FILE PROTEST. ALL PROTESTS MUST BE PRESENTED IN WRITING, ACCOMPANIED BY PROTEST FEE, TO THE TECH

MAN WITHIN 5 MINS. OF THE WINNER OF THE FEATURE RACE CROSSING THE SCALES. PROTESTS DONE IN AN UNSPORTSMANLIKE MANNER WILL NOT BE CONSIDERED.

- b. PROTESTED CARS HAVE 5 MINS. TO ACCEPT OR REFUSE PROTEST. AFTER ACCEPTANCE, PROTESTED CAR HAS 5 MINS. TO BACK PULL PROTESTING CAR ONLY, BASED ON EQUAL VALUE OR LESS.
- c. TO PROTEST ANY CAR IN THE FIELD, YOU MUST FINISH DIRECTLY BEHIND THEM OR PROTEST ALL CARS BETWEEN. MUST BE ON LEAD LAP AT THE CHECKERED FLAG.
- d. AFTER PROTEST HAS BEEN FILED AND MONEY HAS BEEN PUT UP, IT WILL NOT BE RETURNED FOR ANY REASON. PROTEST

CANNOT BE TAKEN DOWN ONCE IT IS FILED; THIS IS TO AVOID SWAPPING MONEY, WHICH IS UNFAIR TO THE REST OF THE FIELD.

- e. PARTS MUST BE READY FOR INSPECTION WITHIN ONE (1) HOUR. (TECH MAN DISCRETION)
- f. FOR PROTEST MONEY TO GO TO THE CAR THAT HAS BEEN PROTESTED, HE/SHE MUST TEAR DOWN AND BE CHECKED AND FOUND LEGAL. CARS FOUND ILLEGAL WILL FORFEIT POINTS AND MONEY EARNED FOR ENTIRE RACE NIGHT.
- g. QUESTIONS ON PROTEST PROCESS WILL BE MADE BY DRIVER/CAR OWNER ONLY.
- h. ONE CREW MEMBER FROM PROTESTING TEAM IS ALL THAT WILL BE ALLOWED IN TECH AREA OTHER THAN SECURITY AND TECH

OFFICIALS FOR THE DURATION OF TECH PROCESS. NO SWITCHING OUT OF PROTESTING CREW MEMBER MID-TECH. NO PHONES OR CAMERAS ALLOWED IN TECH AREA WITH

PROTESTING CREW MEMBER. IF CAUGHT ATTEMPTING TO TAKE PHOTOS, PROTESTING TEAM WILL BE DQ'ED. ALL PEOPLE IN TECH AREA SHALL REMAIN CALM & SPORTSMANLIKE DURING TECH PROCESS.

- i. THE TECH MAN HAS FINAL WORD ON ANY RULE OR PROTEST.

**7.18 ELECTRONIC DEVICES:**

- 1. NO DATA ACQUISITIONING DEVICES
- 2. NO TRACTION CONTROL OR LIKE DEVICES
  - a. IGNITION SYSTEMS WILL BE CHECKED AND MAY BE IMPOUNDED AT ANY TIME
- 3. CAMERAS MUST BE MOUNTED ABOVE THE DECK AT ALL TIMES AND CLEAR OF DRIVERS VIEW

# Thunder Bomber

**Do not have to have stock firewall and floorplan. If not stock will have to have 50lbs mounted in front of firewall.**

## **2022 Thunder Bomber Rules, (CRUSA)**

### 2022 MID-EAST THUNDER BOMBER RULE BOOK

#### 10.1 WEIGHT:

WEIGHT MUST BE POSTED CLEARLY ON BOTH SIDES OF A-PILLAR OR HOOD.

1. 3200LBS MINIMUM WEIGHT AT ALL TIMES.
2. NO WEIGHT BREAKS, NO BURNOFF.

#### 10.2 WHEELBASE:

1. STOCK WHEEL BASE FOR CHASSIS BEING RAN.
2. ANY CHASSIS WITH A WHEELBASE OTHER THAN +/- 1IN FOR MAKE AND MODEL WILL NOT BE ALLOWED
3. NON-LEAF SPRING CARS MAY RUN TUBING SQUARE OR CIRCULAR FROM BUCKETS TO BUMPER.
4. NO CARS UNDER 108IN WHEELBASE
5. MONTE CARLOS, CAMAROS, NOVAS ETC PERMITTED
6. REAR WHEEL DRIVE VEHICLES ONLY.
7. NO STRUT OR COILOVER TYPE CARS

8. NO CUTTING OR SHORTENING OF WHEELBASE/FRAME IN ANY WAY UNLESS OTHERWISE STATED.

10.3 BODY NON-PROTEST ITEM GOVERNED BY MID-EAST OFFICIALS: THOUGH THEY MAY NOT BE PROTESTED THE BODIES MAY BE OBSERVED, MEASURED, ETC. AS NECESSARY. IF MID-EAST OFFICIALS DO NOT APPROVE, YOU WILL BE ASKED TO CHANGE IT, ADD WEIGHT OR ANYTHING DEEMED NECESSARY BY THE OFFICIALS. AFTERMARKET DIRT BODIES ALLOWED. ALL BODIES SHOULD CARRY ORIGINAL BODY LINES WITHIN REASON. CAR MUST BE NEAT IN APPEARANCE. STOCK STEEL BODIES OR ALUMINUM AFTERMARKET BODIES ALLOWED. BODY WIDTH MAY NOT EXCEED 72" AT THE TOP OF DOORS OR QUARTERS AND 75" AT THE BOTTOM OF DOORS AND QUARTERS.

1. ROOF:

- a. THE MINIMUM ROOF SIZE IS 48" X 50". NO SLANT ROOFS.
- b. ROOF REQUIRED UNLESS OTHERWISE NOTIFIED
- i. MAY HAVE .025 STEEL THE DIMENSION OF THE HALO FOR SAFETY PURPOSES

- c. ROOFS MUST HAVE SOME TYPE OF ROLL OR SHAPE, **NO FLAT ROOFS WILL BE PERMITTED IN 2023**

2. NOSE:

- a. NO FINS OR FLARES EXTENDING OVER THE HOOD OR FENDERS OF THE CAR. NO LATE MODEL FENDER FLARES.
- b. THIS IS A THUNDER BOMBER CLASS, CARS SHOULD BE SIMILAR TO THUNDER BOMBERS.

- c. NO MD3, WEDGE OR LATE MODEL STYLE NOSES. ALL NOSES SHALL BE MOUNTED RELATIVELY STRAIGHT UP AND DOWN. DO NOT LAY THE NOSES BACK TO CREATE A WEDGE NOSE.
  - d. NOSES SHALL BE MOUNTED AT A CONSISTENT ANGLE FROM LEFT TO RIGHT.
3. TAILPIECE:
- a. TAILPIECE REQUIRED. BARS MUST BE ROUNDED OR FLAT ON ENDS.
  - b. BARS MAY NOT EXTEND BEYOND SHEET METAL ON REAR OF CAR.
  - c. THE TAILPIECE MUST EXTEND FROM THE TOP OF THE DECK TO THE BOTTOM OF THE FRAME HORNS. THE TAILPIECE MUST BE MOUNTED VERTICALLY WITH NO SLANT. THE TAILPIECE MUST ALSO EXTEND FROM QUARTER PANEL TO QUARTER PANEL AND MINIMUM 16" TALL. NO HOLES OR FLAPS.
4. COCKPIT:
- a. MUST RUN COMPLETE, ENCLOSED COCKPIT.
  - b. MINIMUM OF 22 GAUGE SHEET METAL OR .040 ALUMINUM.
  - c. IT IS RECOMMENDED THAT THE DRIVERS DOOR IS PLATED WITH .25" STEEL.
  - d. 13" MINIMUM OPENING FRONT SIDE AND REAR OF DRIVER.
  - e. FIRE WALL REQUIRED BETWEEN DRIVER AND FUEL CELL. *MINIMUM OF 22 GAUGE STEEL/ SHEET METAL.*
5. SPOILER:

- a. ONE (1) MAXIMUM 6"X60" SELF SUPPORTING SPOILER PERMITTED ON THE REAR OF THE CAR.
  - b. NO ADDITIONAL SPOILERS OR FINS ANYWHERE ON THE CAR.
  - c. SPOILER MUST BE MOUNTED AT THE SAME ANGLE LEFT TO RIGHT
  - d. 1 INTERIOR ROCK/MUD GUARD ON THE RIGHT SIDE OF THE DRIVER WILL BE PERMITTED UNDER THE FOLLOWING CRITERIA.  
MUST BE MOUNTED ON THE RIGHT SIDE OF THE DRIVER AND CAN NOT BE TALLER THAN THE HEIGHT OF THE DASH. THIS ROCK GUARD MUST BE MOUNTED TO THE DECK AND MUST BE MOUNTED FROM FRONT TO BACK; WITH A MAXIMUM OF 2 INCHES OF SKEW FROM LEFT TO RIGHT.
6. DECK HEIGHT
- a. THE MAXIMUM DECK
  - b. HEIGHT IS 42 INCHES.  
THERE IS NO TOLERANCE FOR THIS MEASUREMENT. b.  
MUST HAVE DECKLID.
7. HOOD
- a. BREATHER MUST BE UNDER THE HOOD OR BOXED IN ON ALL 4 SIDES. MAXIMUM 3". MAY NOT PULL AIR FROM INSIDE THE CAR. b. **NO ADDITIONAL HOLES IN HOOD EXCEPT HOOD PIN HOLES.**
8. DOORS AND QUARTER PANELS



- a. DOORS MUST HAVE A BREAK OR OUTWARD ROLL TO THEM. NO FLAT SIDES AND FLAT DOORS.
  - b. NO BODY SKEW FROM LEFT TO RIGHT LIKE A LATE MODEL. ALL PANELS MUST BE RELATIVELY STRAIGHT FROM THE FRONT OF THE CAR TO THE REAR OF THE CAR.
9. SIDE SKIRTS
- a. MINIMUM OF 5 INCHES AT RIDE HEIGHT FROM PLASTIC TO GROUND.

#### 10.4 CHASSIS & SUSPENSION:

- 1. MUST HAVE STOCK FIREWALL AND FLOOR PAN EXTENDING FRAME RAIL TO FRAME RAIL AND FROM THE DECK TO THE FRAME RAIL. a. FIREWALLS AND FLOOR PANS MUST BE IN STOCK LOCATION.
- 2. FRONT AND REAR SUSPENSION COMPONENTS MUST REMAIN STOCK OR OEM STOCK TYPE FOR TYPE OF CHASSIS RUNNING, UNLESS OTHERWISE STATED. THIS INCLUDES BUT IS NOT LIMITED TO DRAG LINK, TIE RODS, SPINDLES, IDLER ARM.
- 3. STEERING MUST BE STOCK TYPE/OEM REPLACEMENT.
- 4. QUICKENERS AND COLLAPSIBLE STEERING SHAFTS ALLOWED.
- 5. STOCK LENGTH AND TYPE REAR TRAILING ARMS ONLY. OEM UPPER REAR TRAILING ARMS MAY BE SHORTENED FOR PINION ANGLE.
- 6. A-FRAMES - UPPER CONTROL ARMS MAY BE TUBULAR STEEL OR MODIFIED OEM. NO ADJUSTABLE A ARMS 7. LOWER CONTROL ARM MUST BE OEM

- FOR FRAME USED, MUST REMAIN UNALTERED AND IN STOCK LOCATION.
8. ANY STOCK TYPE BALL JOINT PERMITTED. SCREW IN OK. *(MAY NOT BE LONGER, BIGGER, SMALLER, REBUILDABLE, ADJUSTABLE ETC.)* ¼" TOLERANCE.
  9. SOLID RUBBER OR STEEL BUSHINGS ALLOWED. MONOBALLS NOT PERMITTED
  10. FRONT SHOCKS MUST BE STOCK MOUNT, MAY MOVE UP OR DOWN FOR TRAVEL 3" MAXIMUM.
  11. NO ENGINE SET BACK. RADIATOR MUST BE IN STOCK LOCATION.
  12. BILSTEIN AK1043 FRONT AND AK1044 (MONTE CARLO), **AK1054 (CAMARO, NOVA)** REAR ARE THE ONLY SHOCK ALLOWED.
  13. **ALL SHOCKS MUST BE MID-EAST OR CRUSA STAMPED BY MARCH 1, 2023**
    - a. **ORDER SPEC SHOCKS ONLINE AT [MIDEASTMOTORSPORTS.ORG](http://MIDEASTMOTORSPORTS.ORG) OR FROM THESE AUTHORIZED RETAILERS:**
      - i. **TBA**
  14. 1 BILSTEIN AK1044 OR AK1050 SHOCK PER WHEEL MOUNTED BEHIND THE REAR END ONLY.
  15. STOCK REAR FRAMES MAY BE REPAIRED FROM CENTER OF REAR END HOUSING TO REAR BUMPER WITH SQUARE TUBING OR 1 3/4", .095 MINIMUM THICKNESS ROUND TUBING.
  16. NO PANHARD BARS OR Z BARS OF ANY TYPE.
  17. NO UNDERSLUNG REAR SUSPENSION ALLOWED.
  18. ADJUSTABLE FRONT AND REAR SPRING BUCKETS ALLOWED. NO WEIGHT JACKS OR JACK BOLTS
  19. A-FRAMES - UPPER CONTROL ARMS MAY BE TUBULAR STEEL OR MODIFIED OEM. NO ADJUSTABLE

A ARMS 20. MODIFIED OEM UPPER A ARMS OR MAY MOVE PERCHES.

- a. 1 HOLE PER SIDE ONLY ON THE A-FRAME TOWER. NO A-ARMS WITH PILLS. MAY NOT CUT SPRING POCKET OR CHASSIS.
21. ONE SPRING RUBBER PER SPRING ONLY. NO PROGRESSIVE SPRINGS, NO DUAL RATE SPRINGS, NO STACK SPRINGS.
22. RACING SPRINGS AND/OR ADJUSTABLE SWAY BAR PERMITTED.
23. ALL SUSPENSION MOUNTING POINTS MUST BE IN STOCK LOCATION.

#### 10.5 IGNITION:

1. STOCK HEI DISTRIBUTOR, MODULE, COIL ETC. (NO MAGNETOS, CRANK TRIGGER SYSTEMS, OR IGNITION BOXES)
2. FIRING ORDER MUST REMAIN STOCK. (*CHEVROLET: 1-8-4-3-6-5-7-2*)
3. *ONE 12 VOLT BATTERY ONLY*

#### 10.6 CARBURETOR:

1. ENGINE OPTION #1 : HOLLEY #1850 , STOCK OEM PRODUCED 2 OR 4 BARREL
  - a. CARBURETORS MUST REMAIN STOCK OR BOX STOCK.
2. CARBURETORS WILL BE CHECKED WITH GO-NO-GO GAUGES TOP TO BOTTOM. MUST BE STOCK
3. MAY RUN 1 MR.GASKET PN#1932 CARBURETOR SPACER WITH THE HOLLEY #1850 .040" TOLERANCE (AT NO POINT MAY SPACER EXTEND INTO INTAKE MANIFOLD AREA) WITH 2 STANDARD THICKNESS

CARBURETOR GASKETS, .070" MAXIMUM THICKNESS.

4. ALL HOLLEY CARBURETORS MUST HAVE CONVENTIONAL STYLE FLOATS ALONG WITH NEEDLES AND SEATS. NO INDIVIDUAL CYLINDER TUNING OR EQUIVALENT ALLOWED.
5. ALL CARBURETORS MUST HAVE CONVENTIONAL "HOLLEY-STYLE" STRAIGHT OR DOWN LEG BOOSTERS; NO EXCEPTIONS.
6. ALL CARBURETORS MUST BE BOX STOCK WITH CHOKE FLAP REMOVAL ONLY. CHOKE HORN MUST REMAIN IN TACT.
  - a. NO PORTING OR POLISHING. MAY NOT CHANGE METERING BLOCKS OR ANY OTHER INTERNALS UNLESS OTHERWISE STATED. NO 4 CORNER IDLE SCREW.
7. NO COLD AIR BOXES.
8. NO HEAT SHIELDS AROUND CARBURETOR. DUST SHIELD MOUNTED TO AIR FILTER BASE OK.

### 10.7 EXHAUST SYSTEM

1. MILD STEEL HEADERS ONLY. NO MERGE COLLECTOR HEADERS. STANDARD 4 INTO 1 ONLY.
2. X PIPES, TRY Y'S, OR OTHER MERGE STYLE HEADERS NOT PERMITTED.
3. NO TURNDOWNS, NO MUFFLERS, NO BAFFLES AND NO EXTENSIONS.
4. 3 OR 3 ½ INCH COLLECTOR ONLY
5. HEADER CLAIM: \$500
  - a. CAR CLAIMING MUST FINISH IN THE TOP 5 AND ON THE LEAD LAP. CLAIMS MUST BE

MADE TO TECH OFFICIAL WITHIN 5 MINUTES OF SCALING.

- b. NO REVERSE CLAIMS WILL BE PERMITTED.
- c. REFUSAL TO ALLOW THE CLAIM WILL RESULT IN THE DRIVER LOSING ALL POINTS AND MONEY FOR THAT EVENT AND FACE THE FOLLOWING PUNISHMENT:
  - i. FIRST OFFENSE - 7 DAY SUSPENSION FROM ANY MID-EAST SANCTIONED EVENT AND \$250 FINE
  - ii. SECOND OFFENSE - 30 DAY SUSPENSION FROM ANY MID-EAST SANCTIONED EVENT AND \$500 FINE
  - iii. THIRD OFFENSE - 365 DAY SUSPENSION FROM ANY MID-EAST SANCTIONED EVENT AND \$1000 FINE

10.8 FUEL SYSTEM:

- 1. 110 RACING FUEL AND/OR PUMP GAS (87,89,93) ONLY. NO E85.
  - a. NO ADDITIVES OR OXYGENATORS.
- 2. STOCK TYPE FUEL PUMP ONLY.
- 3. FUEL IS SUBJECT TO LABORATORY TESTING AND FUEL MAY NOT CONTAIN ANY ADDITIVES.
  - a. THE SPECIFIC ELEMENTS WHICH WILL BE SEARCHED FOR INCLUDE: PROPYLENE OXIDE, ALCOHOLS (ALL TYPES), ALDEHYDES,

AMINOBIIPHENYL, BENZENE (IN EXCESS OF EPA LIMIT), BENZIDINE, BERYLLIUM COMPOUNDS, BROMINE COMPOUNDS, BUTADIENES, CHLORINATED COMPOUNDS, CHROMATES, DIOXANES, ETHYL ACRYLATE, ETHYLENE OXIDE, HYDRAZINE COMPOUNDS, METHYLENE DIANILINE, NAPHTHYLAMINE, NITROGEN COMPOUNDS (NITROMETHANE, ET AL.), STYRENES, TOLUIDINE AND XYLIDINE. ALSO ADDED THIS LIST WILL BE SUBSTANCES DEEMED TO EXCEED THE THRESHOLD LIMIT VALUES (TLV) OR BIOLOGICAL EXPOSURE INDICES (BEI) AS LISTED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH).

- b. FUEL MUST MEET SPECIFIC GRAVITY AT ALL TIMES.
  - c. FUELS MUST MEET MANUFACTURER'S BENCHMARK AT ALL TIMES.
  - d. GASOLINE OR RACE GAS – FUEL SAMPLES MAY BE TAKEN AND SENT TO AN INDEPENDENT LAB FOR TESTING.
- 4. SFI CERTIFIED FUEL CELL WITH ROLL-OVER VALVE MANDATORY.
  - 5. STOCK-STYLE FUEL PUMP NO REAR MOUNTED PUMPS
  - 6. IN-LINE FUEL SHUT OFF RECOMMENDED WITHIN REACH OF DRIVER.

#### 10.9 DRIVELINE:

- 1. ALL CARS MUST HAVE SAFETY LOOP FOR DRIVESHAFT.

a. DRIVESHAFT MUST BE STEEL AND AT LEAST 2" IN DIAMETER

2. SINGLE DISC, STOCK OR STOCK EQUIVALENT CLUTCH OR REPLACEMENT CLUTCH ONLY.
3. CLUTCH MUST HAVE SOLID LINING ONLY. YOU MUST HAVE SPRINGS IN CLUTCH. PRESSURE PLATE MUST BE STOCK OR STOCK REPLACEMENT ONLY (STEEL ONLY). HYDRAULIC THROW OUT BEARING OK.
4. PRESSURE PLATE MUST WEIGH A MINIMUM OF 12 LBS. STEEL ONLY, 10.5" ONLY.
5. FLYWHEEL- GM P/N 14088646 OR STOCK REPLACEMENT. 12.75" DIAMETER. 14 LB. MIN. WEIGHT. SCATTER SHIELD OR 3/16" PLATE AROUND FLYWHEEL AREA-MANDATORY

#### 10.10 TRANSMISSION:

1. GM OEM SAGINAW OR MUNCIE MANUAL TRANSMISSION 3 OR 4 SPEED ONLY.
  - a. ALL WORKING GEARS FORWARD & REVERSE.
  - b. ALL FORWARD GEARS MUST BE HELICAL CUT TEETH.
2. YOU MAY RUN 350 OR 400 TURBO AUTOMATIC WITH OEM WORKING TORQUE CONVERTER.
  - a. FLEX PLATE MUST BE GM #14088765 OR GM #14088761.
3. NO POWER GLIDES.
4. TRANSMISSION INTERNAL PARTS CAN NOT BE POLISHED, COATED, OR LIGHTENED.
5. GEARS MUST BE STOCK FOR TRANSMISSION.

#### 10.11 REAR END:

1. STOCK MOUNTING ONLY
  - a. NO ADDITIONAL MOUNTING HOLES, SLIDERS

OR ORIFICES.

2. NO BALLAST MOUNTED ON REAR ENDS.
3. ANY RATIO REAR GEAR. MUST BE OEM, NO LIGHT WEIGHT, OFFSET, SCALLOPED OR POLISHED PARTS.
4. TRAILING ARM BRACKETS ON THE REAR END MUST BE SYMMETRICAL FROM LEFT TO RIGHT.
5. ANY STOCK TYPE REAR END HOUSING PERMITTED (GM 10-12 BOLTS, OR FORD 9 INCH) IN ANY MAKE OF CAR. FLOATER AXLES PERMITTED. MUST USE STEEL STOCK LUG PATTERN HUBS (5 X 5 OR 5 X 4  $\frac{3}{4}$  OK). NO WIDE 5 HUBS OR WHEELS. REAR TRAILING ARM MOUNTS AT FRAME OR LEAF SPRING MOUNTS MUST REMAIN UNALTERED AND IN STOCK LOCATION WITH ONE MOUNTING HOLE ONLY. LEAF SPRING CARS MAY HAVE ADJUSTABLE SHACKLES ON REAR. NO SLIDERS.
6. REAR TRAILING ARMS MUST BE STOCK (MAY BE BOXED FOR STRENGTH AND SAFETY. 2  $\frac{3}{4}$ " MAX FROM BOTTOM OF HOUSING TO CENTER OF CONTROL ARM BOLT. UPPER CONTROL MOUNTS MAXIMUM OF 3" FROM CENTER OF TOP OF REAR END HOUSING TO CENTER OF MOUNTING BOLTS OR ON FORD 9" HOUSING, 7  $\frac{3}{4}$ " FROM SEAM CENTER OF AXLE TUBE TO CENTER OF MOUNTING BOLTS.
7. 5 INCH COIL SPRINGS MANDATORY, ANY LEAF SPRING ALLOWED.
8. SPRINGS MUST BE CENTERED ON THE REAR END.
9. **BOTTOM SHOCK LOCATION MUST BE WITHIN 2" OF THE CENTERLINE OF THE TRAILING ARM BOLT.**
10. MAY RUN AFTERMARKET AXLES. NO BALL SPLINE AXLES. NO GUN DRILLED AXLES.
11. ALL COMPONENTS MUST BE STEEL OR CAST.



12. NO LIGHTENING OF ANY PARTS.

10.12 BRAKES:

1. STOCK TYPE (4-WHEEL DISC APPROVED). BRAKES DO NOT HAVE TO MATCH MAKE OR MODEL OF CAR. MINIMUM OF .810" ROTORS. a. ROTORS IN QUESTION WILL BE CHECKED.  
b. NO GUNDRILLED OR SCALLOPED ROTORS.
2. RACING PEDALS, ADJUSTERS & DUAL MASTER CYLINDERS ARE ALLOWED. MUST HAVE OPERATIONAL 4 WHEEL BRAKE AFTER RACE.
3. STOCK OEM OR OEM REPLACEMENT BRAKE CALIPERS, STEEL ONLY.

10.13 TIRES & WHEELS:

1. TOWEL CITY RECAP (YELLOW DOTS) ONLY. MUST PUNCH A MINIMUM OF 55 AT ALL TIMES.
2. 15X8IN STEEL WHEELS ONLY, ANY OFFSETS PERMITTED, SPACERS PERMITTED.
3. GROOVING, NEEDLING AND SIPING NOT PERMITTED.  
a. AGGRESSIVE BUFFING MAY BE CONSIDERED SIPING; *USE OF CARBIDE/NAIL STYLE DISCS IS PROHIBITED*
4. TIRES ARE SUBJECT TO CHEMICAL LAB TESTING, REQUIRED TO CONFORM TO BENCHMARK AT ALL TIMES.  
a. LAB RESULTS ARE INDEPENDENT AND THE LAB HAS FINAL SAY ON WHETHER THE TIRE HAS BEEN ALTERED.  
i. IT IS SUGGESTED TO WASH TIRES ONLY WITH WATER. DEGREASERS MAY REMOVE OILS IN THE TIRE RESULTING IN FAILURE TO MEET

**MANUFACTURER'S BENCHMARK.**

**b. TIRES WILL BE SAMPLED AND ARE EXPECTED TO NOT BE ALTERED WITH ANY CHEMICALS.**

- i. TIRES NOT CONFORMING TO THE BENCHMARK WILL RESULT IN DISQUALIFICATION, LOSS OF POINTS AND PRIZE MONEY AS WELL AS:
  - 1. FIRST OFFENSE – \$500 FINE, SUSPENDED UNTIL FINE IS PAID. TRACK RETAINS \$250.**
  - 2. SECOND OFFENSE – \$1000 FINE, SUSPENDED UNTIL FINE IS PAID. TRACK RETAINS \$500.**
  - 3. THIRD OFFENSE – INDEFINITE SUSPENSION FROM ALL MID-EAST THUNDER BOMBER SERIES EVENTS AND FINE AT SERIES DISCRETION.****

**10.14 ENGINE:**

**NO ALUMINUM ENGINE PARTS AT ANY TIME UNLESS OTHERWISE SPECIFIED.**

- 1. ENGINE OPTION 1: a.**
- 2. BOTTOM END**

**ANY OEM STOCK SIZE ENGINE - MAX SIZE 362 - .060 OVER BORE MAX.**

**REPAIRED ENGINE PARTS MUST BE APPROVED. iii. ARP ROD BOLTS OK BUT MUST REMAIN STOCK SIZE - 3/8.**

**iv. 1 PIECE REAR SEAL BLOCK OK.**

NO HIGH PERFORMANCE ENGINES OR SPECIAL  
ORDER PARTS..060 OVER BORE MAX.

STOCK BLOCKS ONLY. viii. \*MUST BE  
STOCK REPLACEMENT LOW COMPRESSION  
PISTON. CANNOT CUT TOP OF PISTON. ix.

NO FLAT TOP 4 EYEBROW PISTON - MUST  
BE DISHED.

SPEEDPRO H423 NCP/DCP REPLACEMENT PISTON OK. NO  
METRIC RING PACKAGE.

PISTONS MUST BE AT LEAST .009" IN BLOCK.

NO BOTTOMING OF LIFTERS.

STOCK CRANKSHAFT.

NO KNIFE EDGING OR LIGHTENING, ETC.

CAST CRANK MUST WEIGH 48 LBS.

NO STROKING OR DESTROKING.

JOURNALS MAY BE TURNED NO MORE THAN .060". STOCK  
REPLACEMENT BEARINGS ONLY

ROD WIDTH MAY NOT BE LESS THAN .940. NO POWDER  
RODS.

STOCK TIMING CHAIN GEAR SET OR CLOYES C-3023X

ADJUSTABLE TIMING CHAIN. NO OFFSET KEY WAYS.

BALANCER 6 3/4 BY 1" NO MACHINING.

MAY RUN RACING PULLEYS - NO

SERPENTINE PULLEYS.

ALUMINUM WATER PUMP

ALLOWED.

NO SERPENTINE PULLEYS

V BELT RACING PULLEYS OK

AFTERMARKET FUEL PUMP AND

FUEL ROD OK.

AFTERMARKET POWER STEERING

OK.

2 PIECE TIMING COVERS OK.  
NO REMOTE OIL FILTER OR  
EVAC SYSTEMS

b. HEADS

ANY OPEN CHAMBER HEAD OK. BUT  
MUST MEET THE FOLLOWING CRITERIA.  
NO AFTERMARKET HEADS. NO HIGH  
PERFORMANCE HEADS. MAY RUN  
STOCK REPLACEMENT SCREW IN STUDS  
OR PIN THEM. MAY RUN AFTERMARKET  
VALVE COVER.

HEADS CANNOT BE LESS THAN 72 CC.

NO ANGLE MILLING.

STOCK OR STOCK REPLACEMENT VALVE FOR MAKE AND  
MODEL. STEEL VALVES ONLY. STOCK STEM DIAMETER.  
.VALVE SPRINGS CAN BE Z28 SPRINGS.

.194" MAX WIRE DIAMETER.

.050" MAX LENGTH.

COMP 742 RETAINERS OR STOCK  
ALLOWED.

3 ANGLE VALVE JOB WILL BE PERMITTED IN 2022.

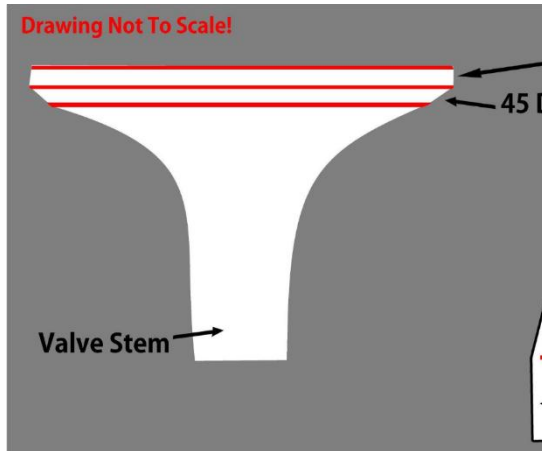
SEAT ANGLE MUST BE 45 DEGREES. 080 MIN WIDTH.

BOTTOM ANGLE MUST BE 60 DEGREES.

ANY ANGLE ON TOP CUT.

DO NOT TOUCH THE CAST PORT. NO BOWL CUTTING OR  
PORT WORK WHATSOEVER. IF ANY MATERIAL IS REMOVED,  
IT WILL BE CONSIDERED ILLEGAL.

45 DEGREE IN VALVE ONLY, NO BACK CUT ON VALVE.



SHIMS CAN BE USED UNDER VALVE SPRINGS WITH A LIMIT OF .060 PER SPRING.

MAY USE OFF SET LOCKS BUT NOT WITH SHIMS. xiii.

ROCKER ARMS MUST BE STOCK OR STOCK REPLACEMENT. 1.5 MAX. NO SELF ALIGNING ROCKER ARMS. NO PORTING OR POLISHING.

NO VORTEC PARTS. **POLY LOCKS ALLOWED.**

c. INTAKE

STOCK CAST IRON ONLY. NO HOLLEY PATTERN FACTORY INTAKES. iii. NO ALUMINUM INTAKES.

MUST HAVE VACUUM FITTING BEHIND CARB IN THE INTAKE.

d. CAM

STOCK TIMING CHAIN OR CLOYES C-3023X ADJUSTABLE TIMING CHAIN. .390 - .410 LIFT.

112 LOBE SEPARATION +/- 1 DEGREE.  
ADVANCING OR RETARDING THE CAM  
WITH ADJUSTABLE TIMING OK.  
CLOYES C-3023X ONLY - NO CAM  
BUTTONS.

STOCK CAM OR STOCK  
REPLACEMENT CAM ONLY.  
DURATION FOR INTAKE + 2  
DEGREES / -10 DEGREES.

.006 - 256 DEGREES.

.050 - 195 DEGREES.

.200 - 95 DEGREES.

DURATION FOR EXHAUST + 2 DEGREES / - 10 DEGREES.

.006 - 261 DEGREES. xiii.

.050 - 202 DEGREES. xiv.

.200 - 106 DEGREES. xv.

MUST HAVE 18" VACUUM AT 1000 RPM. xvi.

HYDRAULIC CAM AND LIFTERS ONLY. xvii.

CAMS CS-274 SEALED POWER AND CCS-2 MELLING AND  
COMP CAM 12-105-3 ARE A STOCK PRODUCED CAM.

xviii. ALL CAMS MUST PASS THE ABOVE SPECIFICATIONS.  
CAMS NOT MEETING THESE SPECS WILL BE DEEMED  
ILLEGAL.

#### 10.15 MISC SYSTEMS:

1. WET SUMP STOCK PUMP ONLY. NO EXTERNAL OIL PUMPS OR SYSTEMS (EVEN IF CONSIDERED "WET").
2. OIL COOLERS AND REMOTE OIL FILTERS ARE NOT PERMITTED.
3. NO ELECTRIC FANS

4. RACING PULLEYS ARE OK, NO SERPENTINE PULLEYS

10.16 PROTEST AND CLAIM: ITEMS NOT COVERED BELOW ARE NON-PROTEST ITEMS AND WILL BE GOVERNED BY MID-EAST THUNDER BOMBER SERIES AND ITS DESIGNEES.

1. SHOCK CLAIM:

a.1 SHOCK CLAIM \$100 PER CORNER

i. CAR CLAIMING SHOCK(S) MUST FINISH IN THE TOP 5 AND ON THE LEAD LAP. CLAIMS MUST BE MADE TO TECH OFFICIAL WITHIN 10 MINUTES AFTER THE CAR CROSSES THE

SCALES ii.

SHOCK WILL BE PROVIDED AS IT COMES FROM BILSTEIN. iii.

REVERSE CLAIMS WILL BE PERMITTED.

iv. REFUSAL TO ALLOW SHOCKS TO BE CLAIMED OR CONFISCATED BY OFFICIALS WILL RESULT IN THE DRIVER LOSING ALL POINTS AND MONEY FOR THAT EVENT, AND FACE THE FOLLOWING PUNISHMENT:

1. FIRST OFFENSE – 1-WEEK SUSPENSION FROM ANY MID-EAST THUNDER BOMBER SERIES SANCTIONED EVENT AND \$250 FINE

2. SECOND OFFENSE – 30-DAY  
SUSPENSION FROM ANY MID-  
EAST THUNDER BOMBER  
SERIES SANCTIONED EVENT  
AND \$500 FINE
3. THIRD OFFENSE – 365-DAY  
SUSPENSION FROM ANY MID-  
EAST THUNDER BOMBER  
SERIES SANCTIONED  
EVENT AND \$1,000 FINE

v. SERIES OR TRACK OFFICIALS MAY CONFISCATE OR CL  
DETERMINED TO BE LEGAL, THEY  
WILL BE RETURNED TO THE DRIVER  
AND POINTS AND MONEY WILL BE  
AWARDED AS EARNED. IF SHOCKS  
ARE DETERMINED TO BE ILLEGAL, THE  
DRIVER WILL LOSE ALL POINTS AND  
MONEY FROM THE EVENT AND FACE  
THE FOLLOWING PUNISHMENT:

1. FIRST OFFENSE – 1-WEEK  
SUSPENSION FROM ANY MID-  
EAST THUNDER BOMBER  
SERIES SANCTIONED EVENT  
AND \$250 FINE
2. SECOND OFFENSE – 30-DAY  
SUSPENSION FROM ANY MID-  
EAST THUNDER BOMBER  
SERIES SANCTIONED EVENT  
AND \$500 FINE
3. THIRD OFFENSE – 365-DAY  
SUSPENSION FROM ANY MID-



EAST THUNDER BOMBER  
SERIES SANCTIONED EVENT  
AND \$1,000 FINE

2. CAM PROTEST (\$300; \$100 ACCEPTANCE FEE, TRACK/SERIES RETAINS \$100. \$300 TO WINNER OF PROTEST)
  - a. CAM WILL BE SECURED BY TRACK/SERIES OFFICIAL AND SENT TO MID-EAST THUNDER BOMBER SERIES DESIGNATED INSPECTOR TO BE INSPECTED. MULTIPLE CAM LOBES WILL BE CHECKED IN THIS PROTEST!
3. TWO (2) ITEM PROTEST (\$300; \$100 ACCEPTANCE FEE, SERIES/TRACK RETAINS \$100. \$300 TO WINNER OF PROTEST)
  - a. MAY INCLUDE ENGINE, WHEELBASE, CHASSIS & SUSPENSION, IGNITION, CARBURETOR, REAR END, AND BRAKES. ALL OTHER ITEMS ARE GOVERNED BY MID-EAST THUNDER BOMBER SERIES OFFICIALS OR PROTESTED IN ANOTHER SECTION.
4. BOTTOM END PROTEST (\$600; \$100 ACCEPTANCE FEE; \$100 TO TECH, \$600 TO PROTEST WINNER)
5. TIRE PROTEST FEE (\$125 & \$125 ACCEPTANCE FEE; \$125 TO WINNER OF PROTEST).
  - a. TIRES NOT CONFORMING TO THE BENCHMARK WILL RESULT IN DISQUALIFICATION, LOSS OF POINTS AND PRIZE MONEY AS WELL AS:

- i. FIRST OFFENSE – \$500 FINE,  
SUSPENDED UNTIL FINE IS PAID.  
TRACK RETAINS \$200.
  - ii. SECOND OFFENSE – \$1000 FINE,  
SUSPENDED UNTIL FINE IS PAID.  
TRACK RETAINS \$400.
  - iii. THIRD OFFENSE – SUSPENSION FROM  
ALL MID-EAST THUNDER BOMBER  
SERIES EVENTS AND FINE AT SERIES  
DISCRETION.
- 6. FUEL PROTEST FEE (\$150 & \$150 ACCEPTANCE FEE;  
\$150 TO WINNER IF PROTEST).
  - a. FUEL NOT CONFORMING TO THE BENCHMARK  
WILL RESULT IN DISQUALIFICATION, LOSS OF  
POINTS AND PRIZE MONEY AS WELL AS:
    - i. FIRST OFFENSE – \$500 FINE -  
SUSPENDED UNTIL FINE IS PAID.  
TRACK RETAINS \$200.
    - ii. SECOND OFFENSE – \$1000 FINE -  
SUSPENDED UNTIL FINE IS PAID.  
TRACK RETAINS \$400.
    - iii. THIRD OFFENSE – SUSPENSION FROM  
ALL MID-EAST THUNDER BOMBER  
SERIES EVENTS AND FINE AT SERIES  
DISCRETION.
- 7. PROTEST PROCESS
  - a. ONLY DRIVER/CAR OWNER MAY PROTEST.  
PROTESTING CAR MUST COMPETE IN RACE IN  
QUESTION TO FILE PROTEST. ALL  
PROTESTS MUST BE PRESENTED IN WRITING,  
ACCOMPANIED BY PROTEST FEE, TO THE

TECH MAN WITHIN 5 MINS. OF THE WINNER OF THE FEATURE RACE CROSSING THE SCALES. PROTESTS DONE IN AN UNSPORTSMANLIKE MANNER WILL NOT BE CONSIDERED.

- b. PROTESTED CARS HAVE 5 MINS. TO ACCEPT OR REFUSE PROTEST. AFTER ACCEPTANCE, PROTESTED CAR HAS 5 MINS. TO BACK PULL PROTESTING CAR ONLY, ON EQUAL OR LESS ITEMS.
- c. TO PROTEST ANY CAR IN THE FIELD, YOU MUST FINISH DIRECTLY BEHIND THEM OR PROTEST ALL CARS BETWEEN. MUST BE ON LEAD LAP AT THE CHECKERED FLAG.
- d. AFTER PROTEST HAS BEEN FILED AND MONEY HAS BEEN PUT UP, IT WILL NOT BE RETURNED FOR ANY REASON. PROTEST CANNOT BE TAKEN DOWN ONCE IT IS FILED; THIS IS TO AVOID SWAPPING MONEY, WHICH IS UNFAIR TO THE REST OF THE FIELD.
- e. PARTS MUST BE READY FOR INSPECTION WITHIN ONE (1) HOUR. (TECH MAN DISCRETION)
- f. FOR PROTEST MONEY TO GO TO THE CAR THAT HAS BEEN PROTESTED, HE/SHE MUST TEAR DOWN AND BE CHECKED AND FOUND LEGAL. CARS FOUND ILLEGAL WILL FORFEIT POINTS AND MONEY EARNED FOR ENTIRE RACE NIGHT.
- g. QUESTIONS ON PROTEST PROCESS WILL BE MADE BY DRIVER/CAR OWNER ONLY.

- h. ONE CREW MEMBER FROM PROTESTING TEAM IS ALL THAT WILL BE ALLOWED IN TECH AREA OTHER THAN SECURITY AND TECH OFFICIALS FOR THE DURATION OF TECH PROCESS. NO SWITCHING OUT OF PROTESTING CREW MEMBER MID-TECH. NO PHONES OR CAMERAS ALLOWED IN TECH AREA WITH PROTESTING CREW MEMBER. IF CAUGHT ATTEMPTING TO TAKE PHOTOS, PROTESTING TEAM WILL BE DQ'ED. ALL PEOPLE IN TECH AREA SHALL REMAIN CALM & SPORTSMANLIKE DURING TECH PROCESS.
- i. THE TECH MAN HAS FINAL WORD ON ANY RULE OR PROTEST.

**8. ILLEGAL PARTS POLICY**

**a. ANY COMPETITOR CAUGHT CHEATING “WITHIN THE BOLTS” WILL BE SUBJECT TO THE FOLLOWING PENALTIES:**

- i. **FIRST OFFENSE - LOSS OF POINTS, MONEY AND ANY AWARDS. WRITTEN WARNING AND PROBATION FOR THE REMAINDER OF THE YEAR.**
- ii. **SECOND OFFENSE- LOSS OF POINTS, MONEY AND AWARDS. \$500 FINE AND 14 DAY SUSPENSION FROM MID-EAST THUNDER BOMBER SANCTIONED EVENT.**
- iii. **THIRD OFFENSE- LOSS OF POINTS, MONEY AND AWARDS. \$1000 FINE AND 30 DAY SUSPENSION FROM MID-EAST THUNDER BOMBER SANCTIONED EVENT**
- iv. **SANCTIONED EVENT**

FOURTH OFFENSE - LOSS OF  
POINTS, MONEY AND AWARDS.  
TERMINATION OF MEMBERSHIP,  
INDEFINITE SUSPENSION AND  
FINE AT MID-EAST DISCRETION.

10.17 ELECTRONIC DEVICES:

1. NO DATA ACQUISITIONING DEVICES
2. NO TRACTION CONTROL OR LIKE DEVICES
  - a. DISTRIBUTORS WILL BE CHECKED AND MAY BE IMPOUNDED AT ANY TIME.
3. CAMERAS MUST BE MOUNTED ABOVE THE DECK AT ALL TIMES AND CLEAR OF DRIVERS VIEW

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STATES AVAILABILITY AS NECESSARY. *"NITPICKING"* WILL NOT BE TOLERATED, MID-EAST THUNDER BOMBER SERIES TECH OFFICIALS HAVE FINAL SAY.

