

2025 THUNDER BOMBER RULES

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 shall govern 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 REGULATIONS. They are a guide and are in no way a guarantee against injury or death to a participant, spectator, or official. Harris Speedway retains the right to make all decisions and reserves the right to make any rule changes/amendments with dispute or appeal.

ALL VEHICLES, COMPETITORS, AND TEAMS SUBJECT TO HARRIS GENERAL RULES AVAILABLE AT THIS LINK:

www.harrisspeedway.com

5.0 Rules

1. ALL LEAD MUST BE SECURELY FASTENED WITH BOLTS AND/OR WEIGHT CLAMPS. DUCT TAPE AND ZIP TIES ARE NOT ACCEPTABLE. MUFFLER CLAMPS ARE NOT ACCEPTABLE.
2. LEAD MUST BE PAINTED WHITE WITH CAR #
3. MUST HAVE WORKING FIRE EXTINGUISHER IN CAR, UNLESS RUNNING FIRE SUPPRESSION SYSTEM.
4. MUST HAVE SFI APPROVED 5 POINT HARNESS THAT IS IN DATE. (3 YEARS OLD MAXIMUM)
5. MUST HAVE A WORKING RACECEIVER/NITRO BEE/SWITCH AT ALL TIMES WHILE ON THE RACING SURFACE. TUNED TO 454.000
6. FULL CONTAINMENT SEATS AND HEAD RESTRAINT RECOMMENDED AT ALL TIMES.
7. CARS DEEMED UNSAFE TO RUN OR THAT FAIL PRETECH WILL NOT BE ALLOWED TO RACE AT THE TECH OFFICIALS' DISCRETION.
8. RACING SEATS REQUIRED, MUST FIT DRIVER, BE SFI APPROVED, AND MUST BE BOLTED TO

ROLL CAGE

- .9. NO ALUMINUM OR TITANIUM CAGES OR TUBING PERMITTED. ALL TUBING MUST BE A MINIMUM OF 1 1/2 INCHES AND A MINIMUM OF .095 WALL THICKNESS. THREE BARS IN DRIVER'S SIDE MANDATORY, TWO BARS IN RIGHT SIDE MANDATORY. MUST HAVE A MINIMUM OF 1 INCH BAR, .083 WALL THICKNESS IN HALO SECTION RUNNING EITHER FRONT TO REAR OR DIAGONAL ACROSS.

5.1 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.

5.2 WHEELBASE:

1. STOCK WHEELBASE 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.

5.2-1BODY

NON-PROTEST ITEM GOVERNED BY MONSTER OFFICIALS: THOUGH THEY MAY NOT BE PROTESTED THE BODIES MAY BE OBSERVED, MEASURED, ETC. AS NECESSARY. IF MONSTER 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". 4 INCH MAX RAKE FROM FRONT TO REAR/LEVEL SIDE TO SIDE. IF RUNNING A WAGON BODY MUST STILL FOLLOW THE RULE OF NO MORE THAN 4' OF RAKE FROM FRONT TO REAR AND CAN NOT RUN ANY SPOILER

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.
- b. BARS MAY NOT EXTEND BEYOND INSIDE OF REAR TIRES. MUST BE CAPPED OR TURNED IN ON THE ENDS
- 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. NO HOLES OR FLAPS. MIN OF 16 INCHES

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 HEIGHT IS 42 INCHES. THERE IS NO TOLERANCE FOR THIS MEASUREMENT.
- b. NO MORE THAN 4 INCHES OF DROP ANYWHERE ON THE INTERIOR DECK FROM HIGHEST POINT OF THE BODY.

7. HOOD

- a. BREATHER CAN EXTEND THROUGH THE HOOD. DOES NOT HAVE TO BE BOXED IN.
- b. NO ADDITIONAL HOLES IN HOOD EXCEPT HOOD PIN HOLES.

8. DOORS AND QUARTER PANELS

- a. DOORS CAN BE FLAT SIDED
- 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.

5.3 CHASSIS & SUSPENSION:

1. MUST HAVE STOCK FIREWALL AND FLOOR PAN EXTENDING FRAME RAIL TO FRAME RAIL AND FROM THE DECK TO THE FRAME RAIL. FLOOR PAN MUST BE TO BACK SEAT AREA

- 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 BOTTOM REAR TRAILING ARMS ONLY. UPPER REAR TRAILING ARMS MAY BE SHORTENED FOR PINION ANGLE. AFTER MARKET BUSHING TYPE ONLY OK

6. A-FRAMES - UPPER CONTROL ARMS MAY BE TUBULAR STEEL OR MODIFIED OEM. NO ADJUSTABLE A ARMS

7. LOWER CONTROL ARM MUST BE STOCK TYPE 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.) 1/4" 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. BRACKETS MUST NOT HAVE ANY EXTRA HOLE FOR ADJUSTMENTS.

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. 1 BILSTEIN AK1044 OR AK1050 SHOCK PER WHEEL MOUNTED BEHIND THE REAR END ONLY.

14. 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.

15. NO PANHARD BARS OR Z BARS OF ANY TYPE.

16. NO UNDERSLUNG REAR SUSPENSION ALLOWED.

17. ADJUSTABLE FRONT AND REAR SPRING BUCKETS ALLOWED. ONLY ONE PER CORNER, MUST BE MOUNTED FLAT AND CENTERED TO REAREND. NO WEIGHT JACKS OR JACK BOLTS

18. A-FRAMES - UPPER CONTROL ARMS MAY BE TUBULAR STEEL OR MODIFIED OEM. NO ADJUSTABLE A ARMS

19. 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.

20. ONE SPRING RUBBER PER SPRING ONLY. NO PROGRESSIVE SPRINGS, NO DUAL RATE SPRINGS, NO STACK SPRINGS. MAX 13 INCH. MUST RUN SAME LENGTH SPRING ON BOTH

SIDES.

21. RACING SPRINGS AND/OR ADJUSTABLE SWAY BAR PERMITTED. (STOCK TYPE SWAY BARS ONLY)
22. ALL SUSPENSION MOUNTING POINTS MUST BE IN STOCK LOCATION.
23. X BRACING OK

5.4 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

5.5 CARBURETOR:

1. HOLLEY #1850 , STOCK OEM PRODUCED 2 OR 4 BARREL (QUADRAJET), HOLLEY 4777 \$650
BUY RULE ON CARBURETOR
 - 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 .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. MAY CHANGE JETS AND POWER VALVE, CHOKE HORN MUST REMAIN INTACT
 - 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.

5.6 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 BUT 21 INCH EXTENSION ALLOWED. MUST BE SAME DIAMETER AS COLLECTOR, STRAIGHT AND NO RESTRICTIONS
4. 3 OR 3 1/2 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

5.7 FUEL SYSTEM:

1. 110 RACING FUEL OR PUMP GAS (87,89,93) ONLY. NO MIXING OF PUMP GAS AND RACING GAS. 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, AMINOBIPHENYL, 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.

5.8 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

5.9 TRANSMISSION:

- 1. GM OEM SAGINAW 3 SPEED MANUAL TRANSMISSION 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

5.10 REAR END:

- 1. STOCK MOUNTING ONLY
- a. NO ADDITIONAL MOUNTING HOLES, SLIDERS OR ORIFICES.
- 2. NO LEAD 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 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. NO CHRYSLER LEAF SPRINGS
- 6. REAR TRAILING ARMS MUST BE STOCK TYPE (MAY BE BOXED FOR STRENGTH AND SAFETY. 2 3/4" MAX FROM BOTTOM OF HOUSING TO CENTER OF CONTROL ARM BOLT. UPPER CONTROL MOUNTS MAXIMUM OF 3 INCHES FROM CENTER OF TOP OF REAREND HOUSING TO CENTER OF MOUNTING BOLTS OR ON FORD 9" HOUSING, 7 3/4" FROM SEAM 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 CAN BE RELOCATED
- 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.

5.11 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. NO ELECTRIC OR MANUAL SHUT OFF VALVES
3. STOCK OEM OR OEM REPLACEMENT BRAKE CALIPERS, STEEL ONLY.

5.12 TIRES & WHEELS:

1. TOWEL CITY RECAP (YELLOW SPLIT DOT) 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

5.13 ENGINE:

NO ALUMINUM ENGINE PARTS AT ANY TIME UNLESS OTHERWISE SPECIFIED

A: BOTTOM END:END

1. ANY OEM STOCK SIZE ENGINE - MAX SIZE 362 - .060 OVER BORE MAX.
2. REPAIRED ENGINE PARTS MUST BE APPROVED.
3. ARP ROD BOLTS OK BUT MUST REMAIN STOCK SIZE - 3/8.
4. 1 PIECE REAR SEAL BLOCK OK.
5. NO HIGH-PERFORMANCE ENGINES OR SPECIAL-ORDER PARTS.
6. .060 OVER BORE MAX.
7. STOCK BLOCKS ONLY.
8. *MUST BE STOCK REPLACEMENT LOW COMPRESSION PISTON. CANNOT CUT TOP OF PISTON.
9. NO FLAT TOP 4 EYEBROW PISTON - MUST BE DISHED.
10. SPEEDPRO H423 NCP/DCP, MAHLE 224-3543, SILV-O-LITE 1476HC. REPLACEMENT PISTON OK. NO METRIC RING PACKAGE.
11. ZERO DECK HEIGHT OK
12. NO BOTTOMING OF LIFTERS.
13. STOCK CRANKSHAFT. SCAT 9-10442(915104420)
14. NO KNIFE EDGING OR LIGHTENING, ETC.
15. CAST CRANK MUST WEIGH 48 LBS.
16. NO STROKING OR DESTROKING.
17. JOURNALS MAY BE TURNED NO MORE THAN .060". STOCK REPLACEMENT BEARINGS ONLY
18. ROD WIDTH MAY NOT BE LESS THAN .940. MAY RUN SCAT ROD3-ICR5700P
19. STOCK TIMING CHAIN GEAR SET OR CLOYES C-3023X ADJUSTABLE TIMING CHAIN. NO OFFSET KEY WAYS.
20. BALANCER 6 3/4 BY 1" NO MACHINING.
21. MAY RUN RACING PULLEYS - NO SERPENTINE PULLEYS.
22. ALUMINUM WATER PUMP ALLOWED.
23. NO SERPENTINE PULLEYS - V BELT RACING PULLEYS OK.
24. AFTERMARKET FUEL PUMP AND FUEL ROD OK.
25. AFTERMARKET POWER STEERING OK.
26. 2 PIECE TIMING COVERS OK.
27. NO REMOTE OIL FILTER OR EVAC SYSTEMS
28. STOCK TYPE PAN WITH BAFFELS OK. NO KICK OUTS

B. HEADS

1. ANY OPEN CHAMBER HEAD OK BUT MUST MEET THE FOLLOWING CRITERIA. \$1200 BUY RULE ON EXISTING HEADS WILL ADD BUY RULE ON NEW STYLE HEADS LATER IN THE YEAR
2. DART 10024360 IRON EAGLE HEADS OK. MUST REMAIN STOCK AS THEY COME INCLUDING VALVE JOB. IF NOT LIKE OUR HEAD IT WILL BE WRONG. THESE HEADS ARE NOT LEGAL UNTIL JULY 1 2025

3. STOCK REPLACEMENT SCREW IN STUDS OK MAY PIN THEM
4. MAY RUN AFTERMARKET VALVE COVER.
5. HEADS CANNOT BE LESS THAN 72 CC ON ANY HEAD
6. NO ANGLE MILLING.
7. STOCK OR STOCK REPLACEMENT VALVE FOR MAKE AND MODEL. STEEL VALVES ONLY. STOCK STEM DIAMETER.
8. VALVE SPRINGS CAN BE Z28 SPRINGS.
9. 0.194" MAX WIRE DIAMETER.
10. 2.050" MAX LENGTH.
11. COMP 742 RETAINERS OR STOCK ALLOWED.
12. 3 ANGLE VALVE JOB WILL BE PERMITTED NO COMPETITION VALVE JOB. MAX CUT .250 BELOW THE 45 ON OEM GM HEADS.
13. DO NOT TOUCH THE CAST PORT. NO BOWL CUTTING OR PORT WORK WHATSOEVER. IF ANY MATERIAL IS REMOVED, IT WILL BE CONSIDERED ILLEGAL.
14. 45 DEGREE IN VALVE ONLY, NO BACK CUT ON VALVE.
15. SHIMS CAN BE USED UNDER VALVE SPRINGS WITH A LIMIT OF .060 PER SPRING.
16. MAY USE OFF SET LOCKS BUT NOT WITH SHIMS.
17. ROCKER ARMS MUST BE STOCK OR STOCK REPLACEMENT. 1.5 MAX. SELF ALIGNING ROCKERS OK
18. NO PORTING OR POLISHING.
19. NO VORTEC PARTS.
20. POLY LOCKS ALLOWED

C. INTAKE

- i. STOCK CAST IRON ONLY.
- ii. NO HOLLEY PATTERN FACTORY INTAKES.
- iii. 2101 INTAKE ALLOWED
- iv. MUST HAVE VACUUM FITTING BEHIND CARB IN THE INTAKE.

D. CAM

1. STOCK TIMING CHAIN OR CLOYES C-3023X ADJUSTABLE TIMING CHAIN.
2. .390 - .410 LIFT.
3. 112 LOBE SEPARATION +/- 1 DEGREE.
4. ADVANCING OR RETARDING THE CAM WITH ADJUSTABLE TIMING OK.
5. CLOYES C-3023X ONLY - NO CAM BUTTONS.
6. STOCK CAM OR STOCK REPLACEMENT CAM ONLY.
7. DURATION FOR INTAKE + 2 DEGREES / -10 DEGREES.
8. .006 - 256 DEGREES.
9. .050 - 195 DEGREES.
10. .200 - 95 DEGREES.
11. DURATION FOR EXHAUST + 2 DEGREES / - 10 DEGREES.
12. .006 - 261 DEGREES.
13. .050 - 202 DEGREES.
14. .200 - 106 DEGREES.
15. MUST HAVE 18" VACUUM AT 1000 RPM.
16. HYDRAULIC CAM AND LIFTERS ONLY.
17. CAMS CS-274 SEALED POWER AND CCS-2 MELLING AND COMP CAM 12-105-3 ARE A STOCK PRODUCED CAM.
18. ALL CAMS MUST PASS THE ABOVE SPECIFICATIONS. CAMS NOT MEETING THESE SPECS WILL BE DEEMED ILLEGAL.
19. IT IS THE ENGINE BUILDERS/DRIVERS RESPONSIBILITY TO HAVE CAM CHECKED TO BE LEGAL/STRAIGHT BEFORE THE RACE NOT AFTER. YOU HAVE OPTIONS ON CAMS.

5.14 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

5.15 ELECTRONIC DEVICES:

1. NO DATA ACQUISITIONING DEVICES (OIL, WATER, FUEL GAUGES AND TACH ALLOWED)
2. NO TRACTION CONTROL OR LIKE DEVICES (EXAMPLE TIRE TEMP DEVICES OR ANYTHING LIKE)
- 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

PROTEST AND CLAIM

-3 ITEM PROTEST \$300, ACCEPTANCE \$100, TRACK RETAINS \$100

-BOTTOM END \$600, ACCEPTANCE \$200, TRACK RETAINS \$200

-CAM PROTEST \$300, ACCEPTANCE \$100, TRACK RETAINS \$100

-TIRE and/or FUEL PROTEST \$150, ACCEPTANCE \$150

-CARBURETOR CLAIM \$650

-HEADER CLAIM \$500

-HEAD CLAIM \$1,200

-SHOCK CLAIM \$125 EACH

-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.