

## THUNDER TRUCKS

THE WORD STOCK IN THIS SECTION MEANS UNALTERED AND AS ORIGINALLY PRODUCED AND INSTALLED FOR THE YEAR, MAKE AND MODEL.

### COMPETING MODELS

- A. Any US manufactured truck (GMC, Chevrolet, Dodge, Ford) no 4 wheel drives, full size trucks only. Short boxes will be allowed for the 2008 season. Engines must be made to make for the year and model.
- B. The GM crate motor part # 88958602 may be used in any make or model of truck.

### BATTERIES

- A. Must be in the bed of the truck and securely fastened with at least 2 cross straps.

### BODY

- A. Must be stock and compete including bumpers and all sheet metal.
- B. No boxed in interiors allowed.
- C. Grill may be replaced with screen.
- D. Upholstery and headliner must be removed.
- E. All doors must be welded shut. Aluminum door panels are OK but they must appear stock.
- F. All holes in the firewall must be covered in 20 gauge steel sheeting.
- G. All glass must be removed. Windshield of 1/8" Lexan is MANDATORY.
- H. A 6" x 60" rear spoiler may be attached to the rear of the truck, with 2 wires in front or 2 supports in the rear. A max. of 1/8" material may be used. Maximum angle of 70 degrees.
- I. Tailgate must be welded shut.
- J. Truck bed may be enclosed with aluminum or sheet metal but must have a 3' x 4' opening panel at the rear for inspection purposes.
- K. Bumpers front and rear may be reinforced and MUST have two tether chains bolted for welded to the frame for safety.
- L. Min body height of 63.5" measured at centerline of the roof, with driver in the vehicle.

### BRAKES

- A. Stock hydraulic brakes on all 4 wheels. Disc brakes may be used on all 4 wheels, but must be 1 piston calipers ONLY.

### **CARBURETOR, INTAKE AND HEADS**

- A.** 500CFM Holly 2bbl. Part # 4412 with a max. 1- 11/16" base only. Stock out of the box. Choke horn may be removed. Holly 4150 HP Part# 80541 650cfm for GM crate motor, no alterations.
- B.** Stock cast iron or Edelbrock aluminum per former intake part numbers 2101 or 2116 can be used. No cutting, welding, porting or polishing of any kind. 1" adapter allowed. NO MARINE INTAKES.
- C.** Cast iron STRAIGHT plug head only. No porting or polishing allowed of any kinds.

### **ELECTRICAL**

- A.** Ignition system will remain stock, 12-volt system.

### **ENGINE**

- A.** Factory stock type engine and components only except where specified different. 360ci. Max with 10.5 to 1 compression ratio only. 400 blocks OK
- B.** No solid lifter cam components allowed period.
- C.** No electric fuel pump or pressurized fuel tanks allowed.
- D.** Stock exhaust manifolds or after market headers allowed , 1- 5/8" tube max.
- E.** No roller assemblies of any kind allowed.
- F.** Engine must remain in stock location.
- G.** GM crate motor part # 88958602 may be used.
- H.** Roller tip rockers and stud girdles OK

### **FIRE SAFETY**

- A.** Fully charge fire extinguisher mounted with in reach of the driver is mandatory.
- B.** All driver must wear an SFI approved fire suit. Fireproof gloves, shoes and neck brace mandatory.
- C.** All safety items must remain in good repair at all times.

### **FRAME**

- A.** Stock frames only.
- B.** Any modified frames will carry a 100lb. Weight penalty (see weight rules for total).

### **FUEL CELL**

- A. Fuel cell is mandatory
- B. Cell must be located in the bed and secured by 2 straps side to side and a least 1 strap front to rear.
- C. Cell may be no lower than the frame rails. 10" minimum ground clearance.
- D. No filler tubes allowed.

### **HELMET**

- A. Drivers must wear an approved helmet, with a 2000 Snell rating or better.
- B. Neck collar or brace and other protective devices are mandatory.

### **LIGHTS**

- A. All exterior lights and moldings must be removed.

### **EXHAUST**

- A. Dual exhaust is permitted
- B. Mufflers are MANDATORY 100dbl. Max.
- C. Exhaust must exit behind the driver. No part of the exhaust system may pass through the drivers' compartment.
- D. 2 1/2" OD max. on all exhaust tubing, at least 12" prior to and 12" after muffler.

### **RADIATOR**

- A. Only 1 radiator is permitted
- B. Must be stock type, and in stock position. Aluminum radiators Ok
- C. No fill holes may be cut in the hood
- D. Must have a 1 gallon catch can for overflow.
- E. Radiator protection OK, but it must be behind the grill
- F. NO ANTIFREEZE...min. 2 week suspension if caught.
- G. 3" x 24" air dam is permitted.

### **REAR ENDS**

- A. Must be stock (make to make), no quick changes allowed. Floaters OK.
- B. Gear ratio is optional
- C. Posi-traction locked or welded rear ends OK

## **ROLL CAGE**

- A.** 4 point roll cage is mandatory with 1 3/4" OD by .95" wall tubing
- B.** Minimum of 3 door bars and door plate 1/8" thick is MANDATORY.
- C.** Roll bars must be padded around the driver.
- D.** A window net with a quick release is MANDATORY.
- E.** 1/8" steel floor plate 18" x 36" under driver is highly recommended.

## **SEATS AND HARNESSSES**

- A.** An aluminum racing seat is mandatory.
- B.** Mounting is subject to official approval.
- C.** A 5 point made fro racing harness assembly is mandatory, with a crotch strap.

## **SUSPENSION**

- A.** Must remain stock.
- B.** No cutting, heating, or modifying of components.
- C.** No weight jacks allowed
- D.** One stock type shock per wheel, in stock location.
- E.** A frame ride height of 7" min. of ground clearance with driver in vehicle. Measured on the front cross member between the lower control arm mount.
- F.** A frame ride height of 5" min. of ground clearance with driver in vehicle if running GM crate motor part # 88958602. Measured on the front cross member between the lower control arm mount.
- G.** 82" max track width (measured outside of tires). Tread width will be measured from the left outside tread row to the right outside tread row at the bottom rear area of tires.

## **TIRES AND WHEELS**

- A.** HOOSIER 970
- B.** Mounted on 7" or 8" steel wheels only.
- C.** NO SOAKING OF ANY KIND. If caught min. of 2 week suspension.
- D.** No altering of tread face in any way

## **TRANSMISSION**

- A.** Automatic transmission ONLY. Must have 12" converter with drain hole and working reverse gear. NO DIRECT DRIVES.
- B.** Dip stick tube and the top of the transmission must be vented into once catch can mounted on the front firewall.
- C.** Transmission cooler is allowed in the engine compartment only.

### **TRUCK NUMBERS**

- A.** Must appear on both doors 18" high with a 2" stroke minimum.
- B.** Drivers name **MUST** appear over both doors.
- C.** TRUCK NUMBER **MUST** APPEAR ON UPPER RIGHT HAND CORNER OF THE WIND SHIELD 6" TALL.

### **WEIGHT RULE**

- A.** Truck must weigh 3600lbs. Minimum with driver, **AFTER EACH EVENT.**
- B.** 55% left side weight max.
- C.** If running GM crate motor, minimum weight is 3500 lbs with driver, after each event.
- D.** All added weight must be painted white.

### **TEAR DOWN RULES**

- A.** Officials reserve the right to tear down any truck for inspection and rules compliance.
- B.** Failure to comply with officials request will be causer for loss of points and money for that nights events and a 2 race minimum suspension.
- C.** Only the truck owner, driver, and 1 mechanic are allowed in the inspection area.
- D.** A truck found to be illegal shall forfeit all points and monies earned in that event.
- E.** All decisions made by the officials are final.
- F.** Any driver finishing on the lead lap may have a top 5 driver torn down for \$500 cash, with the surrender of protesters truck for inspection first, that truck must pass to continue tear- down of protested truck. If motor is found legal, the money goes to the claimed driver, if the motor is found illegal, the driver will be disqualified and the money will go to the protester.

### **CRATE MOTOR RULES**

- A.** Crate motor may be bought at any GM dealer. Part # 88958602, all motors come sealed from and by the factory. No tampering with engine seals will be tolerated.
- B.** Water pump, distributor, pulleys and balancer may be changed to meet the driver's needs.
- C.** All repairs or rebuilds must be done by a designated facility of this tracks choice. Only repairs to be done by the owner are those that can be performed without breaking the seal put in place at the factory. Parts must be replaced with OEM parts or the motor will be deemed illegal.
- D.** The track reserves the right to swap motors with any competitor if it deems necessary, to inspect the motor for legality. Both parties will retain ownership of its own motor. If the motor is found to be illegal, the driver and the car will be suspended for a period of 4 race nights and will be responsible for all costs incurred by the track for disassembly and inspection of the motor before the suspension will be lifted. If the motor is found to be legal, the track will incur costs to have the engine inspected.

**GENERAL RULING**

A. All participants are subject to inspection at ANYTIME during an event. Auto City reserves the right to change, alter, modify or remove any rule to level the field of competition.