

# HAWKEYE DOWNS SPEEDWAY

## 2010 HORNETS RULES

Chief Tech Inspector: Stewart Salter (319) 393-4435  
Race Promotions: Mike Becker (319) 365-8656 or (319) 551-5783  
On the web @ [www.hawkeyedownsspeedway.com](http://www.hawkeyedownsspeedway.com)

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

The Race Director and Track Officials shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in their opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

The rules set forth shall be effective for Hawkeye Downs Speedway's 2010 racing season. Management reserves the right to amend, alter, suspend, delete, or supplement these rules as conditions warrant and without any prior notice. Any changes will be posted in the inspection area. It is your responsibility to be aware of changes posted. These rules shall govern the condition of all Hawkeye Downs Speedway events. Auto racing is a competitive sport, and like any other sporting event that depends on fan support, there is a great deal of showmanship and public relations required. Starting on time, running events in a professional manner, proper uniforms or attire, racecars brightly painted and the conduct of the competitors both on and off the track must be established.

Hawkeye Downs Speedway is private property. Any person on this property without the permission of the owners or management is guilty of trespassing and subject to the penalties prescribed by law. Through your registration you have been given the authority and the right to be on this property in conjunction with your racing activity only. However, the management of the race track reserves the right to revoke and cancel this authority at any time it is felt that your presence or conduct is not in the best interest of auto racing, your fellow competitors, the fans, management, or employees of Hawkeye Downs Speedway.

***ALTHOUGH EVERY EFFORT HAS BEEN DIRECTED TOWARD COMPLETE, UNDERSTANDABLE, AND CORRECT RULES, AS WELL AS THE SAME FACTORS IN PUTTING THEM INTO PRINT, HAWKEYE DOWNS SPEEDWAY OFFICIALS CANNOT POSSIBLY ANTICIPATE EVERY SITUATION, CIRCUMSTANCE, OR INTERPRETATION.***

***THE DEFINITION OF STOCK MEANS "NO MODIFICATIONS TO FACTORY PARTS OR FACTORY SPECIFICATIONS." HAWKEYE DOWNS SPEEDWAY RESERVES THE RIGHT TO INSPECT, TECH, OR "TEAR DOWN" ANY COMPETING CAR AT ANY TIME***

### ELIGIBILITY

1. Drivers can be racing in any other HDS class during 2010.
2. This is a low budget, beginners' division. Hawkeye Downs Speedway reserves the right to refuse competition for any car deemed not in the spirit of the rules.
3. Front Engine, Front wheel drive only. (Front Wheel Drive Pick-ups and Front Wheel Drive Station Wagons OK).

## **GENERAL SAFETY RULES FOR DRIVERS--SEE GENERAL RULES FOR RULES COMMON TO ALL HAWKEYE DOWNS CLASSES**

1. Snell SA 95 or SA2000 helmet required and must be worn at all times car is on the track.
2. SFI approved full fire suit, fire retardant neck brace, and fire retardant gloves required (Fire retardant shoes and socks recommended)
3. Head and neck restraints strongly recommended. Flame retardant Head Sock and Undergarments recommended.
4. Driver's eye protection mandatory. Full face helmets or goggles mandatory.
5. Five point safety belts, sub belt, shoulder harness required. Belts and shoulder harness must be mounted securely to roll cage.

### **BODY**

1. Body must be completely stock sheet metal.
2. Stock appearing, aftermarket nose piece, allowed. No super structure on front-end of car. No battering ram noses!
3. All doors must be bolted or welded shut. Doors may be gutted for installation of roll cage and side door bars.
4. Fenders may be trimmed for clearance. All edges must be rounded.
5. Max of 1 rub rail per side of car, between wheels, only. Rub rails may not be lower than center of hub, no higher than tire. Maximum 1 1/2 inch round tube or 3 inch X 1/4 inch flat steel. Must be welded to body. No sharp edges.
6. Must have full floor in trunk area.
7. Hood pins only for trunk and hood removal.
8. Ground effects, stock or after market and spoilers up to 4 inches in height allowed.

### **ROLL CAGE**

1. Minimum 4 post roll cage made of at least 1.750 inch O.D. tubing with minimum wall thickness of .095 in. (Must have 3/16 inch inspection hole).
2. Cage must be welded to frame or unibody with plates, and have loop around top connecting the four posts.
3. Cage must have horizontal bar behind driver to fasten seat belt to.
4. Minimum 3 three driver's side door bars. Minimum 2 passenger side door bars.
5. Driver's side must be plated with minimum 1/8 inch steel.
6. All bars in driver's area must be padded.
7. Driver's head must not protrude above cage with helmet on and driver in normal driving position.
8. Cage must include feet protection bars. Must have foot box plated with minimum 1/8 inch steel.

### **WINDOW OPENINGS AND WINDSHIELD**

1. All glass and plastic must be removed, except front windshield.
2. Front windshield may be replaced with lexan or screen.
3. Front Windshield opening must have at least 3 three upright braces for protection.
4. Driver's side Ribbon or Mesh Window Nets mandatory & must be mounted to roll bars and latch at the top front of window.

### **SEAT & INTERIOR**

1. Labeled On/Off master switch is required and must be located in driver's compartment so it is accessible from both sides of car.  
On/Off master switch must be connected to the battery cable in such a manner that it will cut off all electrical power to car.
2. Must have full floorboard. Must have Firewalls between engine and driver and between fuel cell and driver.
3. Steering column, and pedals must remain stock for make and model of car. VIN plate must remain visible in the OEM location. Console may be removed. Dash may be removed. Unaltered, OEM – OBD terminal must be intact and operational, may be relocated.
4. Aluminum High Back Racing Seats only. Must be bolted to frame and roll cage.
5. No Radios.
6. Quick release steering wheel allowed. Steering wheel must be padded, minimum 2 inch thickness.
7. On board fire extinguisher recommended.
8. No Mirrors.

## ENGINE

1. Must be 4 Cylinder. Factory Stock for year, make, and model of vehicle. Engine must remain in stock location. No adjustable motor mounts.
2. Engine replacement parts must meet factory stock OEM specifications in every detail and remain unaltered.
3. No Turbo, no Superchargers, no Rotary Engines.
4. No Dry Sump Oil Systems
5. Stock type water pump only. Impellers maybe altered.
6. Crankshaft must be OEM stock specification with no changes allowed (except balancing).
7. Stock, OEM Heads Only. No porting or polishing of cylinder head allowed.
8. Stock, OEM Rods only. No aftermarket Rods.
9. Aftermarket Oil Pan OK.
10. Unaltered, OEM – OBD terminal must be intact and operational, may be relocated.

## ELECTRICAL

1. Stock Ignition. Stock Coils. No MSD type units.
2. All cars must have functional starter, button starter allowed. No Mini starters.
3. No Dual Point Distributors

## CARBURETOR/FUEL INJECTION

1. Stock 2 barrel carburetor or stock fuel injection. (Must provide car engine manual showing carburetor or fuel injection number)
2. Butterfly choke of carburetor may be removed.
3. Maximum carburetor spacer 1 inch (Including gasket).
4. Stock, dry type paper air filter or **a box stock K & N type of reusable filter is allowed, in stock filter housing.**
5. No tubes, funnels, or any device controlling the airflow allowed in air cleaner area.
6. No Air intake ducts that direct air from any high pressure area to the air cleaner allowed.
7. No controlled vacuum leaks.

## EXHAUST

1. Stock Exhaust manifold, no headers.
2. Mufflers Mandatory. (98 db maximum).

## RADIATOR

1. Stock radiator, in stock location.
2. Must have functional fan. Electric fans allowed.
3. No Antifreeze. No Icing, Freon type chemical, liquid spraying systems or refrigerants may be used anywhere in the car.
4. Overflow reservoir (minimum 1/2 gallon) catch can required. Must exit passenger side of engine.

## FUEL & FUEL CELL

1. Racing Fuel Cell (Maximum 16 gallons) Recommended. If used must be behind rear axle, centered in frame and secured with a minimum 1/8 inch X 1 inch steel strap. Minimum 3/8 inch hardware
2. Aftermarket fuel pump may be used if using racing fuel cell.
3. Remainder of fuel system must be stock. If using stock tank, must be in stock location in front of rear axle.
4. Gasoline only, no fuel additives of any kind.
5. No Fuel lines passing through interior (driver's compartment).
6. No nitrous or other performance enhancing systems.

## DRIVE TRAIN

1. All Drive Train parts must remain stock for make, model, and year of car.
2. Stock OEM transmission only. Transmissions must have a working reverse gear.
3. Stock OEM clutch only. All bell housings must have a 2 inch inspection hole. Clutch must be visible.
4. Stock half shafts.
5. No locked or welded axle assemblies.

## **BRAKES**

1. Stock brakes only

## **SUSPENSION**

1. Stock suspension only.
2. Only ONE spacer in right front spring allowed.
4. No adjustable struts.
5. No aftermarket sway bar.

## **FRAMES/CHASSIS**

1. Stock, unaltered frames only. No modifications to frame of any kind allowed. No added weight or ballast.
2. Maximum wheelbase of 104 inches. Minimum ground clearance of frame: 6 inches.
3. Tow hooks on front and rear of car mandatory.

## **WHEELS**

1. Maximum 6 inch wide and maximum 16 inch diameter. All Wheels must be the same size.
2. Must use OEM front wheel drive wheels/rims. OEM wheel backspace will be checked.
3. Stud threads and lug nuts must be within safety tolerances determined on a case by case basis depending on make of car.
4. We will also allow one wheel spacer per car, not to exceed 1 inch in thickness.
5. Steel Lug Nuts Only.
6. Wheel Weights NOT allowed.
7. No bead locks of any kind.

## **TIRES**

1. Hawkeye Downs reserves the right to refuse any tire for competition. No 50's, must be at least 60's.
2. Only tires speed rated H, M, N, P, Q, R, S, & T allowed. No tires rated U, V (VR), W (ZR) or Y (ZR) allowed.
3. 7 inch maximum tread width (ground print).
4. All front tires must be the same size and all rear tires must be the same size.
5. The same four tires run in the heat race must be run in the feature.
6. No recaps
7. No Snow Tires.
8. No shaving, heating, soaking, softening, grinding, buffing, or changing the composition and character of tire allowed.
9. Self adjusting, automatic, air bleeder valves NOT allowed.

**Note:** The word stock means "unaltered in any way".