

# Winchester Speedway HOBBY STOCK Rules

## Car & Body

1. Any 1948 or newer sedan is eligible. No station wagons, pick-ups, four wheel drive or jeep type vehicles.
2. Minimum stock wheelbase allowed 108". **Camaro's allowed but must be 108" wheelbase. Steel leaf springs only.** No Mustangs or Cougars, Ford Thunderbird allowed at 105" wheelbase
3. Drivers protection roll bars are mandatory. They must remain within the drivers area. At no time may they dissect, bisect, or pass through any firewall. No forward or rearward bars may protrude from main roll cage.
4. Full roll cage allowed minimum of .095
5. Bars may extend thru front and rear firewall
6. All doors must be welded
7. All glass must be removed exception of windshield. Wire mesh or lexan of at least ¼ x ¼ screen opening that is properly braced along the entire width of the original windshield opening may be used. The use of ¼ inch plexiglass is permitted as long as it fits in the original opening and is reinforced along the edges and down through the center of the windshield.
8. Rear bottom seat cushions must be removed, rear seat shelf must be left in as a fire stop
9. Complete bumper to bumper steel unibody must be retained. No cutting or lightening permitted
10. The steel stock unaltered floor pan, fire wall, trunk and trunk floor, and wheel wells must be retained. No sectioning, channeling, or chopping allowed. **Hoods may be made of steel or aluminum.**
11. No cutting, channeling, shortening, or cutting allowed. Hood must be kept in place at all times. Body sheet metal must be kept in place at all times
12. All cars must have exhaust. Exhaust pipes must run out from under the car behind the drivers area. No short pipes. **Headers allowed, SIDE HEADERS ALLOWED BUT NOT ALLOWED TO COME THROUGH BODY PANELS AND MUST BE TURNED DOWN TO BE BELOW DRIVERS COMPARTMENT.**
13. All cars must chain the driver shaft in place
14. Positive track and or locked rears permitted.
15. May utilize molded plastic front ends, require original bumper bracing. No additional piping in front for reinforcement.
16. **Holes in hood are ok, but air cleaners / hood scoops cannot stick up more than 2" above the hood.**

## Suspension

1. No modifying of the suspension is allowed
2. Suspension parts must remain absolutely stock for that make and model. Suspension parts must remain absolutely stock for that make and model. No spacers, lumber or chains, or added weight may be used to alter stock suspension of that car. **TUBULAR UPPER**

REPLACEMENT CONTROL ARMS ARE ALLOWED BUT MUST BE WITHIN 1 INCH OF STOCK AND MUST BE WITHIN 1 INCH OF EACH OTHER [ EXAMPLE IF STOCK IS 8 THEN ONE MAY BE STOCK LENGTH AND THE OTHER 1 INCH LONGER OR SHORTER BUT NO MORE THAN 1 INCH TOTAL DIFFERENCE FROM STOCK WHEN COMBINED]

3. Front wheels may be reinforced to prevent their loss during racing.
4. All cars must have stock springs. Stock springs must fit in the stock pockets. No altering of or welding plates over the spring pockets to accept any spring. **MAXIMUM FREE SPRING HEIGHT IS 14 INCH.**
5. **NO ADJUSTERS FOR SPRINGS OF ANY TYPE.**
6. **SHOCKS MUST BE STOCK TYPE MOUNTED IN STOCK LOCATION. NO PORTS OR ADJUSTERS OF ANY TYPE. NO HIEM END SHOCKS ALLOWED. NO SPACERS OR EXTENSIONS ALLOWED. NO BUMP STOPS, BUMP SPRINGS OR SPRING RUBBERS ALLOWED. NO MOUNTING SPACERS ALLOWED. SHOCKS MUST BE STEEL BODY.**
7. **CONVENTIONAL SPRINGS ALLOWED BUT MUST BE 5 INCH DIAMETER SPRINGS**
8. **REAR CONTROL ARMS MUST BE FACTORY LOCATION AT MOUNTING POSITION ON REAR. 2.5 INCHES FROM AXLE HOUSING TO CENTER OF BOLT.**

### **Tires/Wheels**

1. Passenger tires or Hoosier 26.5.or 27.5 allowed, **M30 AND M60 ALLOWED**
2. Maximum 8" steel aftermarket wheels allowed, 3 inch backspace only. No tire wider than 9 1/2" sidewall to sidewall
3. Right front wheel must be reinforced by using oversized lug-nuts
4. Stock steel wheels and DOT tires all four must be the same size and be DOT with all the same size numbers on them. No change in sidewall to sidewall measurement

### **Engine**

1. The engine must be stock and in its original mounts
2. Engine must carry 14 pounds of vacuum
3. 1 1/4 valve spring maximum
4. No beehive valve springs **NO MORE THAN TWO SPRINGS PER VALVE, ONE SPRING AND ONE DAMPER SPRING**
5. No marine intake manifolds allowed
6. Carburetor spacer/ adapter must be no more than 1" maximum thickness with one gasket between carburetor and spacer/adapter, and one gasket between spacer/adapter and intake manifold. Gaskets must be no more than 1/8 thickness
7. **NO VAC PUMPS**
8. **410 CU IN MAX**
9. Total valve lift can not exceed .540 lift measured at tip of rocker where it meets the valve.
10. **FLAT TOP PISTONS ONLY**
11. **NO ROLLER CAMS**
12. **ROLLER TIP ROCKERS ALLOWED BUT NO STUD GIRDLES PERMITTED**
13. **FLAT TAPPET HYDRAULIC CAM ONLY**

14. NO MSD [NO MULTI SPARK DISCHARGE TYPE OF DISTRIBUTORS, GM MUST RUN STOCK OR STOCK REPLACEMENT HEI AND FORD MUST RUN STOCK OR STOCK REPLACEMENT DISTRIBUTOR AND BRAIN BOX NO ELECTRONIC TIMING ADJUSTERS ALLOWED]
15. Any cast iron head, but absolutely no angle plug head.

### **Carburetors**

1. HOLLY 4412 500 STOCK OUT OF BOX ONLY. MUST HAVE VACUUM PORT ON BASE PLATE TO PERFORM VACUUM TEST. NO VACUUM WILL BE PERFORMED AT INTAKE. FAILURE TO HAVE PORT UPON VACUUM TEST WILL RESULT IN DISQUALIFICATION

### **Transmission/ Rear End**

1. Automatic transmission and 3 speeds allowed no cutting or removing of gears
2. Ford 9" rears allowed – No rear discbrakes allowed
3. Stock type only. Pressure plate, clutch, and flywheel must weigh 35 lbs and must be 10 ½ minimum.

### **Gas Tanks/Fuel Cells/ Fuel**

1. Gas tanks must be original and remain in original location. Must have 2 extra holding straps of at-least 20 gauge steel or ¼" steel chain and a metal protection shield of atleast 20 gauge steel which must cover the entire gas tank. No aluminum can be used. Use a fuel cells are permitted, however it must be placed in the location of the original gas tank and be reinforced as stated previously
2. **Pump gas ONLY – No E85, Alky, Methanol... No additives of any type!**

### **Battery**

1. Battery may be removed from original position and mounted in trunk area. Battery must be securely mounted and covered. **AGM BATTERIES ALLOWED. NO LITHIUM OR LIGHT WEIGHT BATTERIES ALLOWED**

### **Miscellaneous**

1. Headlights and tail lights must be removed
2. All plastic grills must be removed and replaced with screen or mesh
3. All cars must have approved fire extinguisher securely mounted in reach of driver
4. Racing suits, belts – **NO OLDER THAN 3 YEARS**, full face helmets – **Snell 2010**, gloves and shoes with nomex or equivalent is mandatory
5. Nylon mesh window nets mandatory
6. Car number must be on both sides and roof and be a minimum of 18" and readable to the scoring tower
7. A master kill switch shall be placed on the rear speaker deck. This toggle switch must have a bright circle or contrasting color around it for easy access and recognition.
8. Raceceiver radios and transponders mandatory for 2012

9. Race Procedure: a minimum of 13 competitors must be present in order to run a heat race. If less than 13 cars you will line up by pill draw for feature race only
10. Previous weeks winner if present will start 7th if qualified in top 7. In the event the previous week's winner is absent he will start 8th when returning

### **Protest and teardowns**

1. Limited to winner and only by the second place finisher
  2. All tear downs must be in writing by driver protesting with money within 15 minutes after the checkered flag
  3. If the winner refuses teardown, they will be dis-qualified for that night with no points and no money
  4. \$500 for top half and \$800 for complete motor
  5. Track maintains \$100.00 no matter what decision is made
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1. Cars that run manual transmission must run a blow proof bell housing
  2. ALLOWED TO RUN DUEL MASTER CYLINDERS BUT NOT ALLOWED TO HAVE ADJUST WHERE DRIVER CAN REACH FROM SEAT
  3. Stock springs must have pigtail on springs
  4. No high rise intakes, aluminum or steel
  5. No aluminum bodys
  6. No plastic skirting
  7. Transponder must be behind the right rear tire on the frame between the tire and the fuel cell