

## **2010 Sundance Vacations Speedway LATE MODEL RULES**

Stock and Fab clip

### **ENGINE RULES – STOCK AND FAB CLIP**

1. Chevrolet, Ford, or Mopar V-8 engines allowed with a maximum displacement of 360 cubic inches and a maximum compression ratio of 12 to 1.

### **CRANKSHAFT**

1. Any steel or cast iron crankshaft allowed.

### **CONNECTING RODS**

1. Any steel connecting rod allowed.

2. No titanium or aluminum rods allowed.

### **PISTONS**

1. Flat top or dish pistons only

2. No part of piston may extend past block deck surface.

### **CYLINDER HEADS**

1. Cast iron cylinder heads only.

2. Standard production heads as well as OEM performance heads will be allowed.

3. The following aftermarket heads are also allowed:

A. World Products # 4266 and # 4267

B. Dart Iron Eagle 180 Dart Iron Eagle 200 and Dart Iron Eagle 215 heads are allowed.

C. World Products 053030 and 053040 for Fords.

4. All casting and part numbers must remain on cylinder heads.

5. No porting, polishing, or acid etching.

6. No altering of valve angle or location.

7. Cylinder head casting may be machined ¼" from bottom of seat angle. All machining must be concentric to valve guide center.

8.. Any valve size may be used.

### **INTAKE MANIFOLD**

1. Any cast iron or cast aluminum OEM or aftermarket production manifold permitted.

2. No porting, polishing, or acid etching.

3. No epoxy, painting, or coating allowed in plenum or in runners.

4. All identifying casting numbers or markings must remain on manifold.

5. No sheet metal manifolds allowed.

### **CAMSHAFT AND LIFTERS**

Flat tappet cams only.

1. No gear drives or belt drives.

2. Flat tappet lifters only.

3. Lifter bore size must be stock OEM for block uses.

4. No roller, mushroom, or radiused lifters.

### **ROCKER ARMS**

1. Roller rockers arms allowed.

2. No shaft type roller rocker arms (except Mopar engines)

### **OILING SYSTEM**

1. Dry sump system will be allowed on fab clip cars only

2. Wet sump system must be used on stock clip cars and may be used on fab clip cars.

### **IGNITION SYSTEM**

1. Mechanically driven capacitive discharge or magneto type ignition is allowed.

2. No crank trigger, cam trigger, or flywheel trigger systems permitted.
3. No programmable ignition boxes allowed.

#### CARBURETORS

1. Carburetor must be a Holley 2 barrel model # 4412.
2. Any modifications allowed, but must maintain base plate bore size of 1 11/16" on stock clip cars.
3. The following are the only allowed alterations on any fab clip cars:

##### A. BODY OF CARBURETOR

No polishing, grinding, or drilling of holes permitted.

##### B. CHOKE

Choke assembly may be removed.

Choke horn must remain.

##### C. BOOSTERS

Boosters must not be changed, but may be aligned.

Size and shape of boosters must not be altered.

Booster height must remain standard.

##### D. VENTURI

Venturi area must not be altered in any manner

Casting ring must not be removed.

##### E. THROTTLE PLATES AND SHAFTS

Stock throttle plates only, must not be thinned or tapered.

Idle holes may be drilled in throttle plates.

Throttle shafts must not be thinned or cut in any way.

Screw ends may be cut even with shafts, but screw heads must remain standard.

##### F. METERING BLOCKS

Metering blocks may be altered.

Power valve and jets may be changed.

Float may be altered.

#### CARBURETOR SPACER

1. Any one inch solid spacer is permitted.
2. Only two paper gaskets (1 per side) of a maximum thickness of .065" is permitted..

#### CRATE ENGINES

1. The following crate engines are allowed:

A. Chevrolet/GM: PN. 88958603 and PN. 88958604.

B. Ford: PN. M-6007-D347

C. Mopar: PN: P5007958

2. Crate engines must not be altered in any way. Factory seals must remain intact. Crate engines must use Holley carburetor model 4150 650 cfm part number 80541-1.

3. Former Sundance Vacations Speedway Pro Stock and Riverhead Charger cars are allowed to run a Holley carburetor Model 4150 650 cfm carburetor.

#### ENGINE SET BACK

1. Must be within 2" of centerline of ball joint to the #1 sparkplug.

#### HEADERS

1. Any header system is allowed.

#### CLUTCH – PRESSURE PLATE

1. Single disk clutch and pressure plate or small diameter multi-disk type racing clutch allowed.

#### EXHAUST

1. All cars must have mufflers.

#### WHEELS

1. No aluminum wheels - steel only. Maximum width 10".
- 2.. No bleeders

#### TRANSMISSION AND REAR

1. Stock type manual or automatic transmissions allowed.
2. Blow-proof bell housing required on manual transmissions without self-contained blow-proof clutch.
3. Stock torque converter must be used.
4. Safety blanket required for automatic transmissions.
5. Quick change rears allowed. No titanium axles, magnetic steel only.
6. Rears must be locked. Solid steel/aluminum spools only.
7. Driveshafts must be Steel or Aluminum only.

#### FRAME AND SUSPENSION- FAB CLIP

1. Frame rails must be no less than 2" X 3" tubing .120 wall thickness.
2. Any suspension allowed.
3. Motor must be centered between ball joints.
4. Minimum 102" wheelbase.
5. Maximum 82" track width outside to outside tire at "0" toe/hub center height.
6. Must have no more than 2" offset measured from center of rear to outside of tire.
7. Only one weight-jacking device per wheel. Must be external.
8. Front spindles must be linked to the frame using steel cables or other approved tether.

#### FRAME AND SUSPENSION- STOCK CLIP

1. Any stock clip that has been altered or modified in excess of the limits set forth in this rulebook will be considered, for all intents and purposes, a "Fab clip" and the entire race car shall be subject to the rules and limitations of a "Fab clip Late Model".
2. Stock clip must remain from front of steering box to firewall. Cross member may not be altered in any way except for minimum fuel pump and oil pan cut out allowances.
3. Lower "A" frame must remain stock for year, make and model of clip used. Stock mounts must be used.
4. Frame side rails may be fabricated, minimum .120 wall steel and 12" maximum offset.
5. Engine must be centered between ball joints.
6. Minimum 102" wheelbase.
7. Maximum 82" track width outside to outside tire at "0" toe/hub center height.
8. Must have no more than 2" offset measured from center of rear to outside of tire.
9. Only one weight-jacking device per wheel. Must be external.
10. Front spindles must be linked to the frame using steel cables or other approved tether.

#### WEIGHTS AND PERCENTAGES

1. All cars must be 2900 pounds, 58% left side, no rear weight percentage, after race, with driver. No allowance for fuel.

#### BODIES

1. Any aftermarket sheet metal or fiberglass body allowed.
2. Body must resemble any American made car from 1990 to present.
3. All tires must be within the body.
- 4.. The carburetor air cleaner must be under the hood, no ram air tubes, or ducting allowed.
5. Drivers' side and passenger side window opening must be completely open.
6. Rear deck lid must be hinged.
7. Hoods must remain stock appearing.
8. Hood scoops are permitted, providing they are no more than 4" above hood.
9. No exposed air cleaners.
10. No wings or louvers are allowed on roof, hood, or rear decks.

#### SPOILER

1. Rear spoilers are allowed but must not be higher than 6.5" for lexan, or 5" for non-lexan.

2. The rear spoiler must not exceed 61" in linear measurement with no lips or air dams.
3. All lexan spoilers must be clear, with no lettering or stickers of any kind.

#### WINDSHIELD-REAR WINDOW

1. All cars must have a full front lexan windshield.
2. Must have 3 straps in the inside of the front windshield.
3. Quarter panel windows are permitted.
4. Rear windows are allowed.

#### GROUND CLEARANCE

1. Stock clip cars must have a 3" minimum ride height.
2. Fab clip cars must have a 3 ½" minimum ride height.

#### RUB RAILS

1. All rub rails must be inside the body or covered with external Lexan body protector.
2. External lexan body protectors allowed.

#### NOSE – REAR TAIL SECTIONS

1. All cars must have full stock appearing nose and rear rail sections.
2. All cars must have 2 steel cables in front and 2 steel cables in back for towing purposes. May cut slit in bumper to tuck straps in until needed. Must be strong enough to hold weight of car.
3. One exposed bar, both front and rear, mounted between the frame rails and above the bumper, may be used for towing purposes. The bar may not extend past the outermost edge of the bumper cover and may not extend vertically any higher than necessary to facilitate hooking the car for towing purposes.

#### HEIGHT OF CAR

1. Stock clip cars must have a minimum roof height of 43" measured 12" back from front window opening, with driver in car.
2. Fab clip cars must have a minimum roof height of 45" measured 12" back from front window opening, with driver in car.
3. Rear of car must maintain a maximum of no more than 42" to the top of rear spoiler.

#### INTERIOR SHEET METAL

1. Must be 20-gauge steel.

#### FUEL CELL

1. Racing gasoline only, will be available at racetrack
2. No alcohol allowed.
3. Fuel cell must be mounted between frame rails, behind rear end.
4. Minimum of 1-inch X 1-inch "X" brace under bottom of fuel cell mount.
5. Fuel cell must be protected between rear bumper and rear of fuel cell by minimum of 1 ½" .095 round tubing or equivalent upon approval of tech inspector.
6. Approved fuel cell with an inner bladder and foam mandatory. Maximum 22 gallon. Ground clearance to bottom of fuel cell minimum 10".

#### ROLL BARS

1. Roll cage must be constructed of no less than 1 ½" OD X .120 wall steel tubing or 1 ¾" OD X .095 wall steel tubing.
2. All main areas of the roll cage must have gussets.
3. Cage must be a minimum of 3" above drivers' head.
4. No square tubing, channel or angle iron will be permitted in the construction of the roll cage.
5. Roll cage must have two hoops, one at the front of the drivers' compartment, and one behind the drivers' compartment.
6. Hoops must be connected by one bar at each side of the top, four bars on the left side, and three bars on the right side. Left door bars must be curved out into the door.
7. Threaded pipe, pipe couplers, lap welded pipe, magnesium, or aluminum will not be permitted.

8. Roll bars in the drivers' area must be padded.

#### GENERAL

1. Rearview mirror and spot mirror allowed. No radios or any other form of driver/crew communication. Driver must monitor one-way scanner and obey and respond to Race Director's instructions.