

# Michigan Dirt Stocks / Bombers

## 2016 Season

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

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his 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.

No radios, **EXCEPT MANDATORY RACECEIVERS**, allowed in car, or with any pit member or anyone connected with the racecar.

### 1. SAFETY EQUIPMENT

An operational 2-½ pound minimum fire extinguisher in each racecar and tow vehicles is highly recommended. Extinguisher must be mounted in a quick release bracket. DUCT TAPE IS NOT AN ACCEPTABLE MOUNTING DEVICE .

Rules apply at all times car is on track. Snell-rated SA2005 or SA2010, SA2015 helmet required. Roll bar padding required in driver compartment . *Recommended: Fire retardant padding.* SFI-approved full fire suit required. Fire retardant gloves and shoes required. Competitors under the age 18 are highly recommended to use an SFI 38.1 head and neck restraint system due to the young body and developing bones. *Recommended: Fire retardant head sock and underwear, collapsible steering shaft.* Driver-side window net required, minimum 16 inch by 20 inch ribbon or mesh style , and must be mounted to roll cage so latch is at top front of window . Minimum three inch (two inch with head restraint system) wide SFI-approved five point safety belt assembly required, must be mounted securely to main roll cage. *Recommended: Safety belts no more than two years old.* Any safety equipment physically or visibly wore or damaged must be replaced, regardless of age. All safety equipment must not be altered and must follow manufacturers use, specifications and requirements for installation.

### 2. FRAME

Any American OEM full body rear wheel drive passenger car, 1968 or newer, full frame or uni-body. Minimum 107.5 inch wheelbase, maximum one inch difference from side to side. Frame rail connecting front and rear sub frames must be stock frame rail. Rear of frame behind rear tires, no further forward than one inch behind factory seam, may be replaced in OEM location with minimum 2 inch by 2 inch steel tubing with 0.095 inch wall thickness. Factory seam must remain visible. Frame may be "X" braced. No mixing of frame and / or suspension parts. Engine and Body must match. May use Ford frame with GM engine and body or Chrysler engine and body. May use GM frame with Ford engine and body or Chrysler engine and body. May use Chrysler frame with GM engine and body or Ford engine and body.

### 3. ROLL CAGE

Main cage must consist of continuous hoops, minimum 1.5 inch O.D. seamless DOM tubing, with a minimum wall thickness of 0.095, low carbon or mild steel recommended. Front and rear hoop must match main cage pipe size. Four-post roll cage required, front down bars and rear hoop must be welded to OEM frame. Driver's head must not protrude outside cage with helmet on. Rear hoop must have "X" brace, consisting of one full horizontal and one full diagonal bar, minimum 1.25 inch O.D. with 0.083 inch wall thickness. Front down bars must be tied together; passenger side front down bars may be maximum 11 inches in from top of door. Must be minimum 40 inches between outside edge of front and rear down bars at top of door panel. Top halo must be minimum 40 inches across, outside to outside. Rear hoop may be maximum 12 inches in from bottom of opera window. Minimum one cross bar in top halo. May have maximum two horizontal bars, (in addition to bar tying front frame horns together) for radiator protection; must be behind bumper, within confines of body, no wider than stock frame horns. Required rear kickers (down bars) and engine hoop must be minimum 1.25 inch OD tubing, with 0.083 inch wall thickness. Fuel cell protection required must be mounted frame rail to frame rail, no higher than fuel cell, inside trunk area with maximum 1.75 inch OD tubing. All bars must be inside body. Foot protection bar required.

#### **4. DOOR BARS**

All door bars and uprights must be minimum 1.50 inch O.D. with 0.095 inch wall thickness. Minimum three door bars, both sides, parallel to ground, and perpendicular to driver. Minimum four uprights tied from frame to top door bar on driver side, and minimum three uprights on passenger side.

**...Front and rear bars considered as two of the four uprights.**

Steel door plates, 18 gauge or 0.049 inch minimum thickness, must be securely welded to outside of door bars on driver's side. Plate must cover area from top door bar to frame and from rear down post to five inches in front of seat. Must be visible for inspection.

#### **5. BODY**

Unaltered OEM, and centered over wheel wells (front to rear and side to side). Body and engine make must match. Front body mounts must be visible. Sunroofs and T-tops must be enclosed. OEM or aftermarket plastic nose and tail pieces allowed, must match body. All body panels may be gutted, including fenders, doors, hood, roof, quarters and trunk, but must remain original size. Fiberglass hood, roof and trunk ok, must be stock appearing. All other body must be steel. Maximum of 2" of air cleaner may protrude through hood. Roof rake measured with a 6' level may be no more than 2" down from the rear to front of the roof. The hood measured with a 6' level may be no more than 2" down from the firewall to the front of the hood. Hood must be separate from fenders, in OEM location, with rear sealed off from driver compartment with metal. All inner wheel wells may be removed. Rear edge of trunk may be trimmed and rear tail light support removed only if aftermarket tail piece is used. Trunk floor must be removed over rear end housing; entire trunk floor may be removed. All windows must remain open, except opera windows may be covered with clear lexan, no decals. All 'B' pillars may be trimmed to minimum 2 inch width, must remain within OEM location. Maximum seven inch metal sun visor may be added to top of windshield opening. Wheel wells may be trimmed for tire clearance. No spoilers or reflective body panels. Rocker skirt/flare allowed between tires only, cannot extend outside tires, minimum 4 inch ground clearance. Car number must be minimum four inches thick and 20 inches tall and clearly visible, on both sides, top and back of car, and front if possible.

#### **6. DRIVER COMPARTMENT**

Minimum of three windshield bars in front of driver. Aluminum high-back seat only, must be bolted in using minimum 0.375 inch bolts and follow manufacturers installation and usage guidelines. Seat must remain inside all confines of roll cage. Every part of seat must be 33" in front of center-line of rear axle. **If you cannot conform to the 33", your car must weigh 3200 lbs. If the 33" is met, your car must weigh 3000 lbs. 33" will be mandatory in 2017.** Driver must be sealed off from track, driveline, engine and fuel cell. Kick and rocker panels may be removed. Front OEM firewall may be replaced using steel fabricated firewall, 18 gauge or minimum 0.049 inch thickness. Top of firewall can be no further back than 12 inches from the back of engine block, measured horizontally. Bottom of firewall can be no further back than rear of oval body mount frame

hole. Dash must not extend more than 24 inches back from top of firewall. Dash must be flat, rear can be no higher than front, except for cowl in front of driver. OEM floor pan may be replaced using steel fabricated floor pan, 18 gauge or minimum 0.049 inch thickness, securely welded to frame. Floor pan may be replaced from front firewall to rear halo supports. Must remain flat/OEM appearing from frame rail to frame rail, can be no higher or lower than frame rail. Exception is maximum 8-inch tall drive shaft tunnel. Tunnel must remain similar to OEM tunnel in size. No cockpits, interior must remain open. Rear firewall may be aluminum or steel and may be located no further forward than rear halo supports and no higher than bottom of rear opera windows. All holes in firewalls must be covered with metal. No driver-adjustable devices allowed. No brake adjusters. No mirrors.

## **7. FRONT SUSPENSION**

All components and mounts must be steel, unaltered OEM, in OEM location and match frame. Rubber, nylon or steel lower A-frame bushings only - no offset or bearing type. Exceptions are: OEM upper A-frame mount may be moved or replaced with aftermarket steel non-adjustable mount matching upper A-frame bolt on design; OEM or OEM replacement ball joints allowed. OEM upper A-frame may be replaced using steel non-adjustable aftermarket upper A-frame. Lower A-Arms must be stock, match frame and not altered.

...OEM or OEM steel replacement ball joints allowed (rebuild-able low friction Howe, AFCO, etc.). Must fit in OEM A-arm without alterations. No Screw-in lower ball joints on GM. Press-in lower ball joints may be tack welded.

## **8. STEERING**

No rack and pinion. All components must be steel, unaltered OEM, in OEM location and match frame. Exceptions are: replacement spindle with Speedway Motors raised cast - part numbers 91034501-L and 91034501-R, OEM steering column may be replaced with steel knuckles and steel steering shafts (collapsible recommended). No Straight Steering Shafts Allowed (Must have minimum ONE knuckle in shaft). Quick release required - steering quickener and steering wheel may be aluminum.

## **9. SHOCKS**

One steel nonadjustable unaltered shock per wheel. No coil over, air, or remote reservoir shocks. No Schrader or bladder type valve allowed. No coil over eliminators. Outboard mounted front shocks will be permitted. One or all shocks may be claimed per event for \$50 each, counting as one claim on card, following shock claim procedures. If driver claims shocks driver cannot claim engine or carburetor that night.

## **10. SPRINGS**

One steel spring per wheel only. All coil springs must be minimum 4.5 inches O.D. and non-progressive. No screw jacks allowed on front of the car, not welded, not cut off. Screw jacks will be allowed on the rear of car. You may use shims or a screw cup to adjust springs.

## **11. REAR SUSPENSION**

All components and mounts must be steel, unaltered OEM, in OEM location, and match frame. No independent rear suspension. Rubber, nylon or steel control arm bushings only, no offset or bearing type. Welded single-hole shock mounts only. Exceptions are: coil springs may be moved, but center line of axle tube can be no further forward than the front of spring, or no further back than rear of spring; shocks may be moved, but must remain similar to stock style mounting and location. Springs must be mounted vertical with a max 5 degree angle. Springs must be tethered to mount to keep from falling out (Ex: hose clamped or other steel tether). Upper control arm mounts on rear end must be level with each other. Lower control arms may be replaced with square tubing replacement and must measure 19.25" center of bolt to center of bolt.

...Measure lower control arm bracket from bottom of axle tube to the end of the bracket.

... The measurements for the rear control arms are as follows: 73-77 GM A-Body - upper 11.25 inches, lower 22.375 inches; 78-88 GM G-Body - upper 11.25 inches, lower 19.25 inches. Recommended to remove

control arms for accurate measurement from bolt hole to bolt hole.

## 12. REAR END

Any steel, approved OEM passenger car or truck non-cambered rear end (housing and carrier) allowed. Safety hubs (floaters) allowed. No sway/panhard bars. All components must be steel, exceptions are: lowering blocks, axle cap, and drive flange may be aluminum. No adjustable lowering blocks. One inch inspection hole in housing required. Full steel spool, steel mini spool or welded rear end only. Steel axles only. No quick change devices. One piece drive flange only. No torque-dividing differentials. No Gold Tracks. No Lockers. No scalloped ring gears.

## 13. BUMPERS/RUB RAILS

Maximum one inch wide by two inch tall steel or lexan rub rails allowed - bolted flush to body. **Front and rear tow chains mandatory (must be a minimum of 3/16 chain)**. All front bumpers must be mounted minimum six inches from front frame horns. Steel bumper mounts only. No sharp edges allowed on bumpers, rub rails or bolts. One of two bumper options must be used and must be OEM height: **OEM:** Bumpers not covered by plastic nose or tail piece must be complete, unaltered OEM, capped to fender with steel, welded or bolted. No bars past outside edge of body other than rub rails. **Aftermarket:** Fabricated tubular bumpers allowed, but must be covered by plastic nose or tail piece and bent to fit with rounded ends. Main bumper bar must be minimum 1.5 inch O.D. (maximum two inch) with 0.083 inch (maximum 0.125 inch) wall thickness on front, and 1.75 inch O.D. with 0.120 inch wall thickness on rear.

## 14. TIRES/WHEELS

The only racing type tire that is allowed is the American Racer P245/70D-15 Tire with MSPA stamp on sidewall. No altering, chemical softening or conditioning of tires. Tires will be subject to a durometer test. Your tires must be harder than the baseline determined by MICHIGAN DIRT TRACK officials. Tires may be ground, grooved or siped only if the tire has less than 50% tread. No re-caps, No Hoosiers, No McCreary. A competitor may run non aggressive tread Street Tires, for their first week. As long as tire is no larger in size and no wider in tread width than American Racer P245/70D-15. After competitor's first week of competition, the American Racer P245/70D-15 Tire with MSPA stamp will be required. (Unless posted otherwise) Wheel spacer or offset wheel, or a combination of the two allowed. Maximum overall width shall not exceed 78 inches from outside of tire to outside of tire. Maximum 8 inch wide wheel. Racing wheels and racing / safety 1 inch lug nuts required on all wheels. May use bead lock, on right rear only. If using bead lock, right rear must measure 17 psi after each race. External, steel bead lock only and it cannot make wheel any narrower than 8 inches and no wider than 8.75 inches. Steel bolts only. No Mud plugs or wheel covers in Factory Stock/Street Stock Class. No bleeder valves.

## 15. BRAKES

Steel, unaltered OEM, or unaltered OEM replacement, operative four wheel, drum or disc brakes allowed. Front components must match frame and maintain minimum OEM dimensions for hubs/rotors and calipers, cannot be lightened. OEM diameter caliper pistons only. Bolt pattern may be changed. Larger studs allowed. Vented rotors only, solid faced rotors only, no scalloped or ceramic coated rotors. Rear rotors may be aftermarket 0.810 inch thick (new). No floating brakes. No brake shut-off, no ratchet valves, no pressure sensitive devices. No left to right proportioning allowed. Front to rear brake bias adjustment cannot be made from driver's compartment or while in competition. No pinched off brake lines. Brake lines must be visible. Aftermarket pedal assembly allowed.

... Caliper pistons must remain OEM diameter; GM metric OEM caliper is 2.375 inches only.

## 16. EXHAUST

May run stock exhaust manifolds or round tube headers only. All primary header tubes must enter directly into one collector at same point at end of header. Must remain dual exhaust, no crossover or "Y" pipes. No exhaust through body panels or fenders. No merge collectors. No exhaust sensors. Must point away from track and

driver and exit behind driver compartment. Holes in exhaust pipe will not be allowed, no drilling of pipe and connections must be tight and leak free. The last 24" of each exhaust pipe must be constructed of maximum 2" outside diameter exhaust pipe mounted at the end of exhaust system or you may use Schoenfeld 609 IMCA Muffler, 100 DB maximum.

#### **17. FUEL SYSTEM**

Mechanical OEM type push rod fuel pumps only. Racing fuel cell required, must be in minimum 20 gauge steel container. Must be securely fastened in trunk above top of rear frame rails, behind rear tires, no further forward than factory seam where rear frame rail can be replaced, with minimum two solid steel straps around entire cell, two inches wide and 0.125 inch thick. No fuel cells allowed over rear end housing. Metal firewall must be between driver and fuel cell. All cell mounts must be steel, securely welded to frame/cage. No adjustable fuel cell mounts. Fuel cell vents, including cap vent, must have check valves. Fuel cell cap must be secured to fuel cell by cable, chain, or tie strap. Fuel lines through driver compartment must run through metal pipe or metal conduit.

#### **18. CARBURETOR**

Holly #4412--2 bbl (500 not 750) carburetor will be allowed. Absolutely no alterations or modifications to any carburetor, except for removal of choke plate. Choke horn cannot be removed. Any driver caught with non-4412 - 500 CFM Holley will be fined \$500 or suspended for two weeks. Air bleeds cannot be removed. Carburetor adapter/spacer allowed, maximum thickness (between carburetor and intake) including gaskets is 1.20 inches.

**Top 5 may have to pull carburetor after every feature. Inspection Gauges will be used.**

#### **19. FUEL**

Gasoline Only. Racing fuel is allowed.

#### **20. BATTERY/STARTER**

One 12 volt battery only, must be securely mounted between frame rails, and positive terminal must be covered . Battery must be in Marine type case if mounted in driver compartment. Starter must bolt in OEM location. Car must have capability of starting without being pushed or pulled. Car must leave initial staging area on demand, unaided, or go to rear of that race.

#### **21. GAUGES/ELECTRONICS**

No unapproved cameras, transmitting or listening devices. No timing retard controls, or digital gauges (including tach). No electronic monitoring computer devices capable of storing or transmitting information except analog tach. No adjustable ignition control boxes. Only one OEM 12 volt ignition system allowed, must be out of driver's reach. Ford engines may run HEL ignition. No additional ignition accessories. No magnetos or crank triggers. No MSD, Accel or Crane (Aftermarket) ignition boxes allowed. OEM type alternator with internal regulator allowed. No electronic traction control devices.

#### **22. TRANSMISSION / DRIVE SHAFT**

Must have at least two forward gears and one reverse, plus neutral position. With motor running and car in still position, must be able to engage car in gear and move forward, then backward. Only OEM production type transmissions allowed - two speed, three speed, four speed and automatic. No five speed (or more) transmissions, no "in and out" boxes, no Bert / Brinn style transmissions or quick change devices allowed. Functioning shift levers must be in OEM location. Flywheel / flexplate must be bolted directly to end of

crankshaft, and pressure plate must be bolted directly to flywheel / flexplate. One flywheel / flexplate only, and all driveline components within bell housing must rotate consistent with engine RPM while car is in any gear. Unaltered flexplate must be full OEM, or OEM replacement. **Manual:** Must be OEM or OEM replacement case and have a working clutch, single disc clutch requires steel – explosion proof bell housing. Multi disc racing clutches are permitted. Recommended steel bell housing with multi disc clutch. **Automatic:** Must remain in OEM or OEM replacement case, with a functioning OEM appearing pump **Drive Shaft:** Minimum two inch diameter magnetic steel drive shaft must be painted white. Magnetic steel slip-yokes only. 360-degree drive shaft loop required and must be constructed of at least 0.25 inch by 2 inch steel, or 1 inch tubing, mounted 6 inches back from front U-joint.

### **23. ENGINE COMPARTMENT**

The forward most spark plug hole may not be set back any further than a perpendicular line with the center of the upper ball joint for each manufacturer. Aftermarket engine mounts allowed, including mid-plate. Engine must be OEM appearing, must be able to be used in conventional passenger car without alteration. GM engine with GM body, Ford engine with Ford body, Chrysler engine with Chrysler body. Radiator must be mounted in front of engine. Cooling system may be modified. No antifreeze allowed, water only. Overflow tubes must be directed into overflow tank (one gallon size recommended).

### **24. ENGINE SPECIFICATIONS**

Any American make engine allowed. Steel heads, block and oil pan only. OEM passenger vehicle production block only. No GM Bowtie, Ford SVO or Chrysler W blocks. Castings and fittings cannot be changed, no machine work on outside of engine. No cubic inch limit. Full roller rocker arms allowed. Must have 1 inch inspection hole in intake to view camshaft and lifters. No stud girdles. Flat tappet cam/lifters only, cannot alter lifter bores. No mushroom lifters. No roller cams. OEM firing order cannot be changed (GM: 1-8-4-3-6-5-7-2). Steel or aluminum water pumps allowed. No electric water pumps allowed. 'Wet' sump oiling system only. Accumulator allowed – cannot be located between seat and door bars.

### **25. INTAKE**

Air gap intakes are not allowed. Inspector has final discretion on all intakes.

Cast iron or aluminum OEM intakes will be permitted. Must have identification numbers visible. No marine intakes. The following aluminum intakes are recommended:

**Weiland: X-Celerator** Chevy 7547-1, Ford 7515, 7516, Chrysler 7545

**Edelbrock: Torker / Torker II** Chevy 5001, 5061, Ford 5021, 2760, Chrysler

5076 **Edelbrock: Performer** Chevy 2101, 2116, Ford 2121, 2181, Chrysler 2176

**Professional Products : Cyclone** Chevy 52001, 52007

### **26. ENGINE CLAIMING RULES:**

\$750 cash claim on engine, flywheel and balancing plates (\$700 goes to driver being claimed, \$25 goes to wrecker and \$25 to official for each engine).

**Claiming driver must run claimed engine the next 2 times the driver and/or car is at the same track where the engine was claimed. This must be completed within the next 4 scheduled events at the track the engine was claimed from or refusal penalty will be assessed. (This excludes rain outs, but is not limited to calendar years.)**

(B) Claim does not include - 1. clutch, 2. unbalanced pressure plate, 3. bell housing, 4. exhaust manifold or headers, 5. carburetor, 6. starter, 7. motor mounts, 8. oil/temp. sending units, 9. carburetor spacer, 10. fan and pulleys, 11. clutch ball, 12. clutch arm, 13. throw out bearing, 14. dip stick, 15. water pump, 16. fuel pump, rod and plate, 17. distributor, 18. plug wires, 19. water outlet and restrictor, 20. breathers. First four (4) position finishers in the feature event must report directly to the claim area and are subject to engine claim by any driver finishing fifth (5th) on back. Any driver lapped by the fourth (4th) place car is not eligible to claim. Drivers are

allowed to claim only one engine per event, regardless of the outcome of that claim. In case of multiple claims on the same engine, engine will go to the claiming driver's number pulled from a drawing. Drivers making the claim must drive his/her car immediately after the finish of the feature, (under its own power) directly to the claiming area. Only drivers and officials are allowed in the claiming area. Claims must be made within five (5) minutes of the end of the feature and claimed engines must be completely removed within one (1) hour from the time the claim is made and driver agrees to sell the claimed engine. First sell or no sell by driver being claimed is binding. Promoter may claim any engine following the feature; so long as claim is made within the five (5) minutes of allotted time.

**Refusal** to sell will forfeit all cash and contingency winnings for feature, any trophy earned and ALL SEASON POINTS and awards. Any driver refusing claim the first time is fined \$200.00 and is suspended for the next racing event at Winston Speedway. The second infraction for refusal of claim is a \$600.00 fine and may not race in the Michigan Dirt Stock / Bomber class for one year. Any driver found to be claiming an engine for anyone else other than himself/herself will lose all points for the season and will be suspended for 30 calendar days. All claimed engines must be removed from car at track; buyer must examine engine before removal. Once removal has started, sale is final.

**NOTE: Driver may only make one claim on claimable items per night. If Driver makes Shock(s) Claim then Driver cannot claim Carburetor or Engine. If Driver makes Carburetor Claim then driver cannot claim Shock(s) or Engine. If Driver makes Engine Claim then Driver cannot claim Shock(s) or Carburetor.**

NOTE: Driver may only make one Engine Claim and one Carburetor Claim and one Shock(s) Claim per season. Unless that driver has had 2 claims made against them. Then that driver may make one additional claim.

NOTE: Claiming driver must have raced the two weeks prior to claiming. NOTE: Your race car must be legal to make a claim.

## **27. WEIGHT**

Minimum weight limit is 3,000 pounds, after race with driver in car. No cement pellet or liquid style weights. No tolerance. No weights and/or loose objects in driver compartment or outside body and must not be visible. Weights must be securely mounted to frame or roll cage and painted white with car number on it. Weights must be attached with at least two 0.5 inch bolts. Cannot have more than 25 pounds of ballast weight per 0.5 inch bolt. Example: 75 pound stack of weights requires three (3) 0.5 inch bolts. No titanium, magnesium or carbon fiber products. No gun-drilled, tubular, hollow bolts or studs. Must use magnetic steel fasteners only.

## **28. WRECKER HOOKS MANDATORY FRONT AND REAR**

Both must be accessible. If no wrecker hooks are on the car, the car will be pushed, towed, or dragged to the infield until after the racing program is completed. 3/16 chains are mandatory.

**NEITHER WRECKER CREWS NOR RACETRACK PERSONNEL WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE ANY VEHICLE.**

NOTE: Non-Conforming or altered parts may be confiscated!

The following rules have been approved for racing at the following Michigan Dirt tracks:

Crystal Motor Speedway, I-96 Speedway, Merrit Speedway, Silver Bullet Speedway and Tri-City Motor Speedway. There

may be some variances in these rules. Please check with the appropriate track before traveling.

For any questions, please contact Dan Dykman (231) 903-2770. Evenings and Weekends.