

Troy Fair Demolition Derby

Sponsored by the Sylvania Lions Club

Rules 2018

The Demolition Derby is designed as an unusual spectator attraction. Every entrant is subject to the following rules and regulations in the interest of safety and equal competition. Sylvania Lions Club Inc. does not imply or guarantee safety. Total responsibility for inspection of car and rule compliance is by the owner \ driver, not the Sylvania Lions Club Inc.

DRIVERS ENTRY; Entrants in the derby are not employees of Sylvania Lions Club Inc. But are independent contractors and assume all related responsibilities.

- Drivers must be at least 18 years of age and have proof of age.
- All drivers must supply their own car and set it up according to the rules. Entry is limited to 1 car per event per night.
- Drivers must wear a SNELL or DOT approved helmet and some form of eye protection at all times while on the track if you remove you will be disqualified.
- Drivers must wear a safety belt at all times while on the track. If you remove you will be disqualified.

CONDUCT; Any driver or crewmember not obeying the rules will be disqualified. Drivers are responsible for the actions of their crewmembers. No profane language or obscene gestures.

ALCOHOLIC BEVERAGES; ARE PROHIBITED IN THE DEMOLITION DERBY, INFIELD AND PIT AREA. VIOLATION BY ANY CREW MEMBER MEANS DISQUALIFICATION OF A CAR AND PIT PASS FORFEITURE!

PIT AREA; a maximum speed limit of 5 MPH MUST be obeyed at all times in the pit area, parking lot and driveway.(equal to a fast walk pace).

SAFETY AND CAR SPECIFICATIONS; Undetected or unobserved items escaping detection during inspection does not make them legal. Any exception to the rules will be called illegal. . If it is not in the rules it does not mean you can do it.

Friday Fullsize 80 and newer- American made stock hard top automobiles and station wagons manufactured from the model year 1980 and newer ONLY are allowed. no four wheel drives will be allowed

Saturday Full-size cars: American made stock hard top automobiles and station wagons are allowed except 1973 and older Imperials or frames, no four wheel drives will be allowed

Compact: Cars with a uni-body construction and 4 cylinder gas engine will be allowed. 6 cylinder uni-body Front wheel drive cars with a 108" or less wheel base will also be allowed.

Compact trucks: Trucks are to remain stock unless otherwise noted. Class is open to small trucks or suv, . They are to be two wheel drive or four wheel drive with only one axle driving.

Full-size trucks: Class is open to ½ & ¾ ton pickups and suburban style vehicles. They are to be two wheel drive or four wheel drive with only one axle driving.

Minivan: Any 4 or 6 cylinder, foreign or domestic minivan. No diesels, No "hybrid" vehicles, no plastic bodied vans like Lumina/ transports, etc. no panel vans. 4 wheel / all wheel drives may be used if one axle is disabled, (only one axle can drive)

2018 Classes –Power Wheels, STOCK compact, MILD compact, 80's and newer Full size, MILD Full size, Compact Truck/minivan, Full size Truck/van

-----GENERAL RULES-----

This is the general blanket safety related rules for all classes: please see each class for specific build rules. All rules follow these general guidelines with the addition of everything in their respective classes.

All cars are to remain STOCK unless otherwise noted in each specific section. If you find that you can do it under that class it is ok ANYTHING ELSE MUST REMAIN STOCK!!!

Driver Protection; This is RECOMMENDED for all classes but not required: A 4 bar enclosure around the inside cab may be installed. One dash bar, one behind seat, one across each front door. All bars must be inside driver's compartment. Door bars may run from dash to 2 foot behind the farthest back portion of the seat. Front bar must be at least 5 inches from center of firewall and floor including the transmission tunnel. Back bar(seat bar) may be no further back than 1 foot behind seat. All bars may be no larger than 5" diameter, except side bars may use up to 6" c- channel for flat mounting. A fifth bar may be used of same size material to run from front bar to back bar to use to support shifters and switches ONLY. Attaching to the car may only be done on the sides, NO mounting to the floor or roof. If you choose to use only front and back bar, mounting plates of ¼ "x 6"x12" may be used on the ends. Light Gussets (1/8" material) may be used at all welded connections but can only be welded to the protection area. NOT to the car body itself. Nothing can come from floor or frame to cage whatsoever. Used for protection only not reinforcement. Improperly installed bars are a hazard to everyone... NO EXOSKELETONS...All bars will be placed WITHIN the sheet metal of the vehicle.

Roll over bars(HALO) will be allowed but may not extend more than 6 inches above the roof line and may only be attached to the cage with two points of contact behind front seat not to the floor in any way. All bars must be within same guidelines as cage bars. No bar from halo to dash bar NO EXCEPTIONS

POWER WHEELS: Motorcycle or lawnmower battery allowed. Age for power wheels is 3-10. No car batteries or 24 volt conversions.

EXHAUST: May use stacks or if using under car it should be cut off at least 12" behind driver's seat and be bent out towards the side of the vehicle, OR STRAIGHT UP OR DOWN OFF THE MANIFOLD

FANS: You may use an electric fan with plastic or nylon blades only.

ANTIFREEZE: Must be removed and can be replaced with water. If not removed car will be disqualified.

BRAKES: Must be in working order for safety purposes on the track. Floor or cage mounted brakes WILL be allowed in ALL CLASSES

TRANSMISSION COOLERS; May be moved to the rear passenger area and must be totally leak free. All lines must be enclosed. Electric plastic fans with shroud will be allowed. A cover or splash shield between cooler and driver is recommended

GAS TANKS: ALL tanks are to be removed from the vehicles stock location, NO EXCEPTIONS!!!! A marine style or equivalent fuel cell (stock gas tanks can be used if properly moved, secured and covered), tank shall be installed in the rear passenger compartment, fastened down securely and covered with a fire shield which can be opened for inspection. All electric fuel pumps require a separate power switch within driver's reach. Switch must be labeled fuel pump shutoff. NO plastic boat tanks will be allowed. Homemade fuel cells MUST BE: 1. Sturdy, 2. Securely Mounted, 3. entirely leak proof or you cannot run! MUST BE COVERED WITH A METAL SHIELD!

Gas Tank Protectors: Can be used. Protectors must attach to CAGE ONLY!!! Protector will be no larger than 3 inches bigger than fuel tank and made of ¼ inch material. 8 inch gussets can be used on the protector. This is a FLOATING style protector.

FUEL LINES: Must be metal passing through the firewall and in the passenger compartment. ALL FUEL LINES MUST BE METAL LINE, OR HIGH PRESSURE RUBBER FUEL LINE INSIDE THE VEHICLE. ALL FUEL LINES NEED TO BE COVERED, RAN INTO AN OLD GARDEN HOSE IS ACCEPTABLE

TRUCK GAS TANKS: Must be mounted in the center of the bed near the cab or in the rear passenger part of an extended cab securely fastened down and covered with a metal shield. Fuel lines within passenger compartment and those that go through the body must be metal. It is recommended to bolt a thin steel plate to the frame then set the gas tank on it and secure the tank to the plate.

BATTERIES: are to be mounted solidly to car floor in the front passenger compartment with a rubber or plastic shield covering, batteries may also be mounted into passenger seat if secured and tight This is for ALL classes.

TIRES AND WHEELS: ANY style RUBBER tire is allowed (NO STEEL TIRES ALLOWED NO RIMS ONLY) No foam filling, solid or loading of tires is allowed. Tire inside a tire is allowed. Remove all wheel weights. No bead locking or protector style of any type rim allowed. No valve stem protectors may be welded on. Stock and 80's you may use the 6" wheel centers for bolt pattern changes. Mild you may use full wheel center.

BODY & INTERIOR: All glass, chrome trim, locks and anything else that might become embedded in the track must be removed. TOTALLY CLEAN IT OUT INCLUDING GLASS. Anything inside the car that is a fire hazard must be removed, including car interior, trunk pad and carpet... Driver door panel should be left in for safety of the driver, projecting latches, handles, etc. inside driver's door must be removed. Remove brittle metal & fiberglass pieces' front and back. A flash guard of some type MUST be installed covering the car firewall where large holes are produced after taking heaters and etc. out. Use light tin or some type of nonflammable material.

NO REINFORCEMENT will be allowed except as stated. Trailer hitches are to be removed.

WINDSHIELD: MUST be removed, you can cover with a wire screen securely fastened. You must install two safety straps from the body area behind the hood no more than 2" below the windshield line and no more than 2" above windshield line to the roof of the car to keep the hood from coming backwards through the windshield area. front WINDOW bars, straps are to be a thinner material that can easily be cut by the fire dept if there is an emergency situation. gas tank strapping, chain or trunk rod are all good choices. NO angle iron or t-post will be allowed.

NO rear window bar

Rust repair-If rust damage is to be repaired in the floors and frame prior approval must be made before ANYTHING will be passed. No double flooring or double framing.

Bumper Height-cars maximum of 20" to the bottom of the bumper (this includes rear bumper) Trucks and vans use average height.

SPECIAL NOTE: PLASTIC BODY SATURNS MUST REMOVE ALL PLASTIC BODY PANELS... YOU MAY PUT SHEET METAL ON DRIVERS DOOR ONLY

STOCK CLASS-Compact

NO WELDING OTHER THAN THE Drivers DOOR, BUMPER AND CAGE. NO EXCEPTIONS

HOOD: Must have a hood with a hole minimum of 12" x 12" cut over the carburetor in case of fire and be tied down after inspection with wire. Do not use chain!

Gas tank-if using the Original gas tanks are to be moved to the rear seat area of the car fastened down securely with straps and have a firewall in place. Use only 5 gallons of gas. Install a toggle switch on the fuel pump wire so in case of a fire the pump can be shut down. Switch is to be labeled so emergency personal can identify. Homemade fuel cells must be: 1.sturdy 2.securely mounted 3.entirely leak proof or you cannot run. Fuel lines within passenger compartment must be metal & covered Tank MUST be covered with a metal shield!! NO EXCEPTIONS

DOORS: RECOMMENDED but not required, driver door can be welded vertical seams exterior only with. If not using a cage A length of 2" angle iron may be welded to the driver's door no higher than the bumper and no more than 2" past either door seam. All other doors you are to use wire. Cable, chain, seat belts tied are all also acceptable for all doors. If ANY door comes open car is disqualified.

TRUNKS, HATCHES, TAILGATES: even if vehicle is considered a 5 door the rear trunk, hatch or tailgate Must be tied securely with cable, chain, seatbelt, or wire ONLY!

ENGINE: Engine swaps may be done. Homemade mounts will be allowed for motor and transmissions. NO ENGINE CRADLES OR DISTRIBUTOR PROTECTORS, NO SLIDER DRIVESHAFTS.

FRAMES: NO FRAME ALTERING OF ANY KIND ALLOWED except you may notch rear frames but cannot pre bend. Fix it plates (MAXIMUM OF 4) on pre ran cars may only be a maximum of 4"x6" and same thickness as frame. Damage must be visible after plate is installed if it is not they must be pre-approved or you will be disqualified Maximum of 4 total

Steering-must remain stock

BODY MOUNTS: NO BODY MOUNT MODIFICATIONS ALLOWED!

BODY: Wheel wells may be trimmed for clearance however re-attachment should be no stronger than factory. Quarters and panels must remain in original position NO BODY CREASING WEDGING OR CANOEING OF THE TRUNK ALLOWED IN STOCK CLASS.

SUSPENSION: NO SUSPENSION MODIFICATIONS ALLOWED! Must be free floating as it was from the factory

BUMPERS: MAY ONLY USE A FACTORY AUTOMOBILE BUMPER. We will allow them to be welded onto the frame with ¼ plate no more than EQUAL with the radiator support to secure them or you can use the original factory bumper shocks for that vehicle mounted as they were from factory. ONE OR THE OTHER NOT BOTH plate MUST STAY RADIATOR SUPPORT FORWARD. No stuffing of bumpers will be allowed, BUMPERS MUST HAVE INSPECTION holes on ALL FOUR SIDES. ONLY OEM bumper SHOCKS MAY BE USED FOR THAT SPECIFIC CAR. In the original manner and mounted as was from factory no welding to frame. Maximum bumper height of 20"

- MILD CLASS -

Any style aftermarket shifter or pedal combo may be used.

Radiator-may be a factory style radiator or a waterbox/radi barrel style. Either option must be bolted in not welded in and are not to strengthen frame in any way.

Hood: you may use wire or YOU MAY USE ANGLE FROM FENDER TO HOOD AND BOLT TOGETHER. You may only USE 8 spots total OF 2" X 2" ANGLE max 4" long to hold hood down. IF using angle the Opening must be at least 3' x 4' to allow us to extinguish any fire.... HOOD MUST BE OPENED FOR INSPECTION, IT IS NOT OUR JOB TO OPEN IT FOR YOU If using all thread as a radiator support bolt it may come through the hood in the two front spots ONLY!!!

Doors: Must be welded and or tied securely with cable or chain. Exterior door seams may be welded. Interior front door vertical seams may be welded. You are allowed to use flat steel over the seams up to 1/8" thickness and 3" wide. If ANY door comes open car is disqualified.

Compact/ minivan: if using the Original gas tank they are to be moved to the rear seat area of the car (if using the tank), fastened down securely with straps and have a firewall in place. Use only 5 gallons of gas. Install a toggle switch on the fuel pump wire so in case of a fire the pump can be shut down. Switch is to be labeled so emergency personal can identify. Homemade fuel cells must be: 1.sturdy 2.securely mounted 3.entirely leak proof or you cannot run. Fuel lines within passenger compartment must be metal & covered

TRUNKS, HATCHES, TAILGATES: May be patch welded or use wire/chain, if welded a 10x10 inspection hole is needed for inspection. Patches 3 x 3 x1/8 thickness 3" on 6" off. Tailgates on trucks may be welded to box only NOT to bumper. Box can be welded to the cab. (Recommended for trucks) you may use 1/8" x3" to attach cab to box on the vertical seams. And use up to 2"x2" angle from box to cab underneath rear window full width of cab.

ENGINE: Swaps may be done; you may use lower engine cradle (1/2" MAX), distributor protector, pulley and carb protectors as long as they do not strengthen frame in any way. PP cannot touch frame, cross member or sway bar. ALL protectors may be 1/2" maximum thickness. Distributor protector must be 5" or greater away from dash bar. Slider drive shafts are allowed. NO TRANS BRACE NO REAR BRACE

FRAMES: Tilting frames and pre-bending will be allowed. NO plating, pinning or stuffing allowed NO kickers. A maximum of 6" body spacing will be allowed at radiator support constructed using hockey pucks or a maximum of 2" hollow square or round tubing and threaded rod or bolts. Bolts and threaded rod may go thru the hood in those two spots only. You may cold tilt or hot tilt. Hot tilting may be done in only (2) places per side between Trans cross member and rad support. Only one wedge cut and single pass weld seam per spot NO ADDED MATERIAL. Fords you may do same way or cut the 3 tabs bend frame and re weld(this counts as 1 spot per side). Do not plate or reweld any of the other crush box seams. Frame changes allowed make to make only (i.e. Chrysler to Chrysler, etc.), NO Imperial Frames No aftermarket K members or cross members, must be OE and within manufacturer. Front frame may be shortened however core support must remain in stock location No shortening between firewall and radiator support. Y-frame Chryslers may close BOTH sides of the Y, with a patch of equal thickness material as the frame itself (top or bottom) may not go any farther than 4" past the radiator support. Factory frame seams may be re-welded single pass firewall forward NO added metal. Do not fill holes or make new seams. You may notch or dimple rear section of frame, notch must NOT be welded together.... also no undercoating or painting frames. Fix it plates on pre ran cars may only be a maximum of 4"x6" and same thickness as frame. Damage must be visible after plate is installed if it is not they must be pre-approved or you will be disqualified Maximum of 4 total No sub frame connectors. NO welding on the inside of the frame whatsoever.

Hump Plates-you may run hump plates. They are to be no longer than 24" total length. Must be centered over the rear. They may be up to ¼" thickness must be same height as frame and they must contour the frame. No exceptions.

BODY MOUNTS: Only 4 extra 5/8" inch maximum body to frame bolts with washers that are free floating maximum size is 3/16th by 5-inch diameter. You may change original hardware to 5/8" diameter bolts; you may remove body spacers and/or add hockey pucks and use FREE FLOATING washers or plates with maximum 5" diameter.

BODY: Wheel wells may be trimmed for clearance however re-attachment should be no stronger than factory. You may use five bolts per side (3/8" or smaller) to go from outer quarter around wheel opening to inner wheel well. NO wedging you may body crease and canoe. TRUNK may be tucked but not welded to floor. Interior body seams may be re-welded 2" on 4" off DO NOT make new seams

TRUCKS: May have 6 extra 5/8" mounts with 5" washers. Tailgate may be solid welded but sheet metal to sheet metal only, Not to frame.

SUSPENSION: Rear Coil springs and attachments may be replaced with leaf springs, no welding on spring pack. If doing a leaf conversion you must remove all components of the original suspension. (control arms, coil springs, etc. one or the other not both) Maximum 5 clamps per side, 2" wide 3/16" thick, two 3/8 bolts per clamp. No duct tape wrap on springs. 1/4" working rear shackles, frame mount 1/4" maximum by 4"x 6". Leaf springs (4) 3/8" or up to (7) ¼" thick springs 2 ½ inch wide, (no reverse arch) flat sprung ok. You may swap rears between manufacturers must be passenger car or truck. No more than 8 lug. No rear braces allowed. Hump plates are allowed: 24" of plate allowed ¼ inch thick maximum material and can be no wider than the width of the frame and must contour the frame., HUMP PLATES ARE FOR THE REAR OF A VEHICLE ONLY. MUST BE CENTERED OVER AXLE. Front Sway bar-may be removed or you can remove rubber bushings and bolt or weld solid to both frame and control arms but it may NOT be welded or bolted to engine cradle or pulley protector in any way.

Ride Height-You may lock suspension and/or pipe shocks to achieve proper ride height doing this may not strengthen frame in any way. If using threaded rod to do so it must be used in the stock shock location only.

Steering-any style column may be used. You may weld your tie rod sleeves to the tie rod or use small angle to weld tie rod to sleeve.

Bumpers-cars maximum height is 20" to bottom of bumper. Trucks use average height You may use any factory automobile bumper You may load bumpers(all work must be done on the inside) MUST APPEAR FACTORY FROM OUTSIDE you may seam weld and you may use a 1/4" plate to back of a light or pre-ran bumper to support or stiffen.

HOMEMADE BUMPERS-will be allowed built from FLAT HOLLOW type steel MAXIMUM 1/4" thick x 4"x8". They may extend out no wider than vehicle width base. You may make a point on the bumper however the point must be as wide as frame rail to frame rail and taper up to a maximum of 7" in the center from the front of the square steel used to manufacture bumper. you may stack 2 pieces together from top to bottom to make height dimensional. You may also use DEC, SKI inc and other manufactured bumpers that fit within these parameters.

There will be three options to mount your bumper. (1) You may use an unaltered factory shock in factory location fastened in the factory manner.(you may not weld factory shock or factory bracket to frame) You may compress shock and weld to prevent collapse only but there must be a 1" gap between bumper and frame. (2) You may weld bumper directly to frame with ¼" material as far as 4" back from rad support. You may box frame from bumper to up to 4" past rad support.(3) you may weld bumper directly to frame and use a piece of steel (3" wide x ¼" thick x 12" long) 1 of these pieces per side. You may choose which side of the frame you put it on inside or outside however 1 on drivers side and 1

on passenger side. You can weld it directly to frame but it may not exceed 12" from bumper. cars without bumpers must have no projecting mounts or frame projections bumperettes must be removed

TRUCKS: (Full size and Mini) an average height will be used (no lifted trucks) FOLLOW MILD CAR RULES

ANYTHING ELSE MUST REMAIN STOCK

80's and newer semi stock class

Hood-must have stock hood with hole cut over carb in case of fire and must be tied down after inspection. You may use angle iron (3) spots of 2x2 angle iron per side max 4" long) on fender and hood to mount. If done that way hole in hood must be at least 2' x3' must be open for inspection.

Shifters-any style may be used

Pedals- aftermarket pedals may be used

Steering-any style column may be used. You may weld your tie rod sleeves to the tie rod NO ADDED MATERIAL Other than that steering must remain stock

Doors-Must be tied securely can chain or weld exterior seams may be welded. you are allowed to use 1/8" thick x3" wide material If the driver's door comes up you are disqualified

Trunks-must use wire or chain. No tuck wedge or canoe. Keep original shape

Frames-NO TILTING OR PREBENDING. You may shorten in front of rad support ONLY but may not move rad support. NO WELDING ON FRAME WHATSOEVER (except for bumper mounting) you may notch or dimple rear frame notch cannot be welded no undercoating or painting of frames. . Fix it plates on pre ran cars may only be a maximum(4) of 4"x6" and same thickness as frame. Damage must be visible after plate is installed if it is not they must be pre-approved or you will be disqualified Maximum of 4 total

body mounts-Only 4 extra 1/2" maximum with washers that are free floating maximum size is 3/16th by 5". BODY SPACERS MUST REMAIN FACTORY. NO PLATES

BODY: Wheel wells may be trimmed for clearance however re-attachment should be no stronger than factory. Quarters and panels must remain in original position

Engine and transmission-swaps between manufacturers is ok. Mount welding allowed, 1/2" lower cradle is ok NO PULLEY PROTECTOR, NO DP, NO CARB PROTECTOR. NO BRACES of any kind for anything. NO SLIDERS

Suspension-You may lock suspension for ride height purposes. This may not strengthen frame in any way. you may swap rear manufacturer to manufacturer no 8 lug. Suspension may be stiffened for ride height. No suspension conversions. If car is originally leaf sprung you may use 2 extra clamps per side 2" wide 3/16" thick two 3/8" bolts each. Front Sway bar-may be removed or you can remove rubber bushings and bolt solid to both frame and control arms but it may NOT be welded to engine cradle.

.Bumpers-maximum height is 20" to bottom of bumper. You may use any factory automobile bumper You may load bumper but all work must be done on the inside of the bumper only and it must appear stock. you may seam weld and

you may use a 1/4" plate to back of bumper to support or stiffen. Homemade bumpers will be allowed built from FLAT, HOLLOW type steel 1/4"thick x 4deep x 8high no wider than vehicle width base no points or sharp edges NO EXCEPTIONS you may stack 2 pieces together from top to bottom to make height dimensional.

Bumper Mounting- Bumper may welded to stock mount brackets (for that particular vehicle NO EXCEPTIONS)and shock brackets welded to prevent collapse. Brackets must be attached to frame with the factory mounting method.OR you may weld bumper directly to frame with 1/4" material as far as 4" behind rad support however if you choose that method all other mounts and brackets must be removed. no homemade shocks or brackets NO PLATING cars without bumpers must have no projecting mounts or frame projections bumperettes must be removed bumper bracket and mount welding must not run over 4" behind rad support

Body-You may NOT body crease. No wedging or canoeing.

NO EXTRA ANYTHING ALLOWED ANYTHING ELSE MUST REMAIN STOCK

Any situation that arises the promoters have the power to add or change rules required. (2018) if it isn't in the rules, it doesn't make it legal.

For registration questions ONLY Contact George Page. (Sylvania Lions Club)(570) 297-4181

Rule questions or approval call Shawn Hart (570)529-4771 or Tim Avants (570)250-7556

All entries must be there no later 6 pm for inspection.