

LEWIS COUNTY DEMOLITION DERBY ASSOCIATION
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DERBIES FOR 2016 SEASON

Monday - July 4, 2016: start time 7:30pm - Southwest Washington Fairgrounds, Chehalis WA
Import/Compact cars run this day

Tuesday - August 16, 2016: start time 7:00pm - Southwest Washington Fair Fairgrounds, Chehalis WA

Sunday - August 21, 2016: start time Noon - Southwest Washington Fair Fairgrounds, Chehalis WA
Import/Compact cars run this day

ENTRY FEES:

CAR & DRIVER	\$55.00	ADDITIONAL DRIVER	\$20.00*
POWDER PUFF	\$25.00	PIT PASS	\$15.00

*IF WOMEN RACE IN POWDER PUFF & WITH MEN THEY MUST PAY ADDITIONAL FEE

MINIMUM PAY-OUTS PER DERBY*

1 ST	\$1500.00
2 ND	\$ 600.00
3 RD	\$ 500.00

*Additional pay-outs dependent on number of cars and sponsorships

- Check-in time will start three hours prior to the start of the race.
- The pits will be closed ½ hour prior to the start of the race - no exceptions to this rule.
- If you are in line to be inspected, or you have already been inspected – you will be admitted.
- **An inspection will be held at every derby, on every car.**
- 15 minutes prior to the start of the races, there will be a driver's meeting.
- If you are going to final your car you **MUST** complete a race.
- Immediately after the final derby (at the check-in point), prize money will be paid and final derby trophies awarded.

OFFICIALS HAVE FINAL SAY ON INSPECTIONS AND RACING RESULTS

1. **Officials will have radios and/or will be wearing orange vest.**
2. **Officials will have the final say on car inspections.**
3. **Officials will have final say on all race results.**
4. **Minimum age to access pit area: 16 years of age. Valid I.D. required.**
5. **No children under the age of 16 permitted in the pits area whatsoever.**

6. **Insurance Waiver:** Drivers, pit persons, volunteers, & officials must sign insurance waiver at check-in.
7. Drivers, powder puff drivers, and additional drivers must check-in with their cars.
8. Pit people will check-in separately at pit sign-in.
9. Drivers will sign an agreement to remove their cars from the fairgrounds, or pay all costs and/or fines associated with removal of the car.
10. **No drinking or drugs in the pits.** Drivers - you are responsible for your own actions, and for the actions of your pit people. Any driver, or any person associated with a driver and his car, caught breaking these rules will be removed from the pits and the grounds. There will be no refunds of entry fees or pit passes.
11. **Pit passes must be worn at all times,** or you will be removed from the pits.
12. **Fighting, bad mouthing, or harassment** of any driver, pit person, volunteer or official will not be permitted.
13. **Helmets are required.** They will be inspected at check-in. Helmets must remain on while on the racetrack. Helmets must have a chin strap, which must be used.
14. **Seat Belts and Shoulder Harnesses are required in every car.** These can be factory equipment. Custom seat belts and shoulder harnesses will be subject to inspector's approval. Seatbelts must be worn whenever a car is on the racetrack.
15. **No excessive speed in the pit area.** USE CAUTION. SAFETY FIRST.
16. **Long sleeve shirts and long pants must be worn while racing.** (Coveralls).
17. **Intentional hitting of a driver's door** will result in an immediate black flag and possible suspension. "Intentional" will be determined by the officials.
18. **Using cutting torches or welding equipment** in the pit area requires proper fire suppression.
19. **Engines must be free of flammables.** Clean and degrease engines.
20. **Fire extinguishers are required in all cars.** All extinguishers must have a working gauge. Extinguishers must be securely mounted within easy access of the driver.
21. **A white flag is required inside the car,** to use in case of injury or wave off.
22. **NO BUNGEE CORDS – NO DUCT TAPE – NO PLUMBERS TAPE.**

MANDATORY RULES FOR CAR SET UP

IMPORT/COMPACT CARS WILL FOLLOW THESE RULES FOR SET-UP

INSPECTORS HAVE FINAL SAY ON ANY INSPECTION QUESTIONS IF IT DOESN'T LOOK SAFE – IT WON'T PASS

- Have all equipment with you at check-in: helmet, fire extinguisher, & white flag.
- Have car vacuumed of all debris and glass.
- Do not break windows inside the door.
- If you are not ready for inspection – you will be taken out of line and have to wait until you are ready.

SECTION 01 CAR PREPARATION

- (a) All glass, must be removed.
- (b) Flammable materials inside the car must be removed. Trunks must be free from any debris. The inside of the doors must be clear of all glass and debris. All light covers/bulbs, side mirrors, hubcaps, grills, side chrome, plastic, door handles and pot metal must be removed.
- (d) All trailer hitches, related brackets, reinforcements and hardware will be completely removed.
- (e) Stock fuel tanks must be removed.

SECTION 02 FUEL SYSTEMS

- (a) A limited capacity (of 6 gal. or less) metal tank or boat tank is required as a replacement gas tank. You must solidly mount it in interior of the car, ahead of the rear axle. The tank must be located at least 12" away from the inner door panels. If using a metal boat tank, you must have it securely fastened with metal strapping or chain, and must have a metal splash shield. **NO PLASTIC TANKS!!**
- (b) Gas lines and fittings must be leak proof. No exceptions. Rubber fuel lines located inside the passenger compartment must run through a second larger hose such as a garden hose to prevent accidental spillage on the driver in case of a leak. A hole must be made in the floor board for fuel runoff.
- (c) Electric fuel pumps are optional. If an electric fuel pump is used, you must have an on/off switch that is positioned so that up is on and off is down. The switch must be easily visible and "off" must be clearly marked. There must be an "E" on the vertical number sign on top of the car.
- (d) Gas tanks may not be bolted to the frame in any fashion. Gas tanks may not be used as a kicker to keep the frame from dropping or moving forward or backward. Subject to Tech Approval

SECTION 03 BATTERIES

- (a) Batteries must be re-located inside the car. Battery box must be of metal construction, fully enclosed, and securely fastened to the floor. In NO way may it be connected/bolted to the frame. The lid must be securely fastened shut.
- (b) Two (2) batteries maximum.
- (c) Switches or wires used for powering off the car must be within reach of the driver while harnessed in.

SECTION 04 SAFETY BRACING

Trucks are not required to have a front spreader if dash is uncut.

- (a) A front cross brace must be installed above the steering column from window post to window post (in the former position of the dashboard). It must be made of a minimum 2" pipe or square tubing with 1/4" wall thickness and be securely fastened into position. The dash bar in no way may touch or be bolted to the frame of the vehicle. If a 2 piece pipe is used, it must be securely fastened so that it cannot collapse. (Welded or minimum 3/4" bolt)
- (b) A rear cross brace must be installed from door inner skin to door inner skin, as close to the door post (B pillar) as possible, and at least halfway up from the floor. It must be made of a minimum 3" pipe or square tubing, with plates welded on the ends. The end plates may not extend more than 15" past cross bar (towards rear of car). The cross brace must be bolted with minimum of 3/4" bolt per side, extending through the side irons. If the cross brace is collapsible, it must be pinned with a 3/4" bolt (minimum) or welded so it can't rotate.
Optional: If floor boards are rusty, you may run MAX 2" Pipe or square tubing over to the inner rocker panel sheet metal. It must be welded, no bolting of this bar! This bar MAY NOT be welded to the frame!!
- (c) All cars must have a minimum of 1 upright (vertical) post. Upright must be located directly behind the driver's seat. The upright must be made of a minimum 2" pipe or square tubing with a minimum 4" x 4" plate welded to the top. The upright will extend from the roof to the cross bar, or to the floor and be located as close to the seat as possible. It must be attached with minimum of two 1/2" bolts on each end. Note: If using a two-piece upright, the female end must be above the helmet level, unless the upright is welded or solidly pinned with a 3/4" minimum bolt. May add 2nd upright on passenger side of vehicle. Uprights may in no way be connected to the frame.
- (d) Both front doors must be reinforced with a minimum 8" wide, 3/16" thick channel iron. The side iron must not be more than 7' in length and must begin ahead of the front door seam and be no more than 6" in front of the front door seam. Door bars may not extend over the edge of the wheel well openings. The iron must be bolted with a minimum of three (3) bolts (3/4" min) that extend through the inner panels. Backing plates (washers) must be used and must be a minimum of 6" x 6" x 3/16" thick on both front and rear ends of the door bars. The front bolt must be located through the A pillar/electrical knockout, at least one other bolt must go through the plate connected to the rear cross bar. The ends of the side irons must be cut at a 45-degree angle. If your door bar comes off during the derby you will be disqualified.

SECTION 05 SEAT AND SEAT BELTS

- (a) An approved 4 point safety harness is recommended but will allow stock seat belt mounted to stock mounts or have a 2" minimum flat washer where it is mounted through the sheet metal.
- (b) Seat can be OEM stock of any make/model car (Honda Prelude/CRX seats not recommended). Put a headrest on upright behind the seat, if seat was not equipped with a headrest. **(Mandatory)**
- (c) No fiberglass, plastic, or unpadding racing style seats.

SECTION 06 BUILDING, WELDING & SECURING

THERE WILL BE NO OTHER WELDING OTHER THAN WHAT IS STATED BELOW. IF YOU HAVE A QUESTION ABOUT WELDING, PLEASE CALL AHEAD!!

- (a) Doors: You may fully weld the outside door seams. You may use filler no larger than 2" w X 1/8" flat or 3/8" re-bar or equivalent. If bolting the doors shut, you may use up to 4 1/2" bolts per door. If chaining the doors shut, you may use 2 chains, no larger than 3/8" per door.
- (b) Trunk lids, tailgates and hoods must be secured shut with bolts, chains or welds as follows:
 - (i) Hoods can be bolted in a maximum of 6 places other than stock, in which only 2 may go to the frame. Bolt size must be a minimum of 5/8" and a maximum of 1". MAX plate size is 6" x 6". Bolts must not exceed 4" above the vehicle surface.
 - (ii) Chains must be a minimum 3/8" & maximum of 1/2" welded type. Hoods may be welded instead of bolted, a 6x6x1/4 plate may be used in place of a bolt, but hood center must be cut out large enough to fully inspect under the hood.
 - (iii) Trunks may be fastened using chains, bolts or welds of which only 2 may go to the frame. Welds can be 5" long with a 5" gap to the next weld on outside trunk sheet metal only. If using flat plates, it must not exceed 6" x 2" x 1/8" in each place. If bolting, plate size cannot exceed 6"x6". All thread (1" max) may go through frame or be welded to the side of the frame. Only allowed six bolts or chains if not welding and still only 2 may connect to the frame.
- (c) Bumper swaps are allowed, however you must use factory hardware (brackets/shocks) that either came with the bumper or came with the car you are putting it on. You **MAY NOT** use both!! Any questions....call tech. Welding the bumper direct to the frame is allowed. No impact absorbers welded on top of frame only on the side unless factory installed.
- (d) Front and rear bumpers may be welded solid. (i.e.-bumper to bumper shock, shock to bracket and bracket to frame) No extra metal.
- (e) Bumper shock itself may be collapsed and welded. No added material.
- (f) You may weld outer skin to inner structure of bumpers.
- (g) You are allowed to weld all FRAME seams from the original transmission cross member location forward. Width of the weld will not exceed 1/2".
- (h) You may tilt/pitch any car. No adding metal.

SECTION 07 WINDOW / WINDOW SCREEN

- (a) A protective screen must be installed in front of the driver. A car with a sunroof is allowed as long as the opening is securely covered with sheet metal.
- (b) Two quality window bars are required vertically down the windshield from top to bottom. Window bar(s) must be bolted with a minimum of 5/16" and maximum of 1/2" bolts. No sheet metal screws allowed fastening window bars. Window bars are for driver protection not car reinforcement.
- (c) Optional rear window bars may be added no more than 6" extension on roof and in no way contact the deck lid, trunk pins, trunk plates or frame. They may be no bigger than 2-1/2"x 1/2" inch thick stock. Max 2 each parallel with roof. Window bar(s) will be bolted with a minimum 5/16" and a maximum of 1/2" bolts. Window bars **CANNOT** be welded in place. No sheet metal screws to fasten window bars.

SECTION 08 RADIATOR / COOLER

- (a) No cooling system other than stock is permitted. Radiators and/or fans can be removed. Expansion tanks must remain in engine compartment as close to the stock location as possible. Radiators must remain in stock location.
- (b) Transmission coolers other than stock, if used must be in an enclosed box inside the vehicle. Transmission coolers and all hoses must be leak proof. No screw type clamps on any transmission hose connections inside the car. Must be approved crimped fittings (hydraulic fittings)
- (c) Transmission coolers and components may NOT be bolted to the frame.

SECTION 09 MOTOR MOUNTS / SUSPENSION

- (a) Motor mounts and transmission mounts may be strengthened with bolts, welds or chains. Motor straps welded to the frame and bolted to the motor are allowed. Straps can be a maximum thickness of 3/8" flat bar and 2" wide only and are limited to 2 straps each side. Engine straps may go no further than 3" in front of forward most part of the cylinder head and no further back than 3" past the rearward most part of the cylinder head. Engine supports may be used as long as they are not reinforcing the frame. Straps may only have 2" of on edge contact to the frame! If using an engine cradle you only get 2 front engine hold downs.
- (b) Any 5 lug rear end may be used.
- (c) You may tilt the rear end by lengthening or shortening the trailing arms. Trailing arms must be of passenger car origin and must operate. Trailing arms may be reinforced but must be OEM origin.
- (d) Leaf conversions are NOT allowed on old iron cars. Suspension must remain stock style/type. Metric/80s and newer welded class cars can leaf spring swap OR use 24" long by 1/4" thick hump plates, plates can be no wider than the humps(outside of hump only), and leaf spring swaps must follow all leaf spring rules, front spring hanger must not reinforce the frame,
- (e) Maximum of 9 leaves.
- (f) Raising the suspension is allowed as long as bumper height is a maximum of 25" top of the front bumper.
- (g) You may weld, bolt or chain down you're a arms. 3" welds max.

SECTION 10 PROTECTORS

- (a) Distributor protectors allowed, must be attached to engine and transmission only, the plate must be no wider than 12 inches. If you run a DP do not mount your dash bar closer than 5" behind the rear most point of the firewall/cowl. It may not be welded, bolted or connected to body, hood or frame. Forward supports must be inside normally positioned headers and not extend past the water pump.
- (b) If using an engine cradle, it must not be connected to the distributor plate.
- (c) Transmission protectors are allowed, can only be bolted or welded to motor and trans.
- (d) Any aftermarket bellhousing may be used.

SECTION 11 EXHAUSTS

- (a) Stacks must be a minimum of 18" from exhaust port.

SECTION 12 CARBS

- (a) You must have either an air cleaner or suitable flame arrestor. Two large holes, at least 6" in diameter, must be put in the hood for fire extinguisher access. Stack holes are acceptable for fire access holes. No alternative starting methods i.e. staling fluid.

SECTION 13 BRAKES

- (a) Cars must have a minimum of two working hydraulic brakes.

SECTION 14 TIRES / WHEELS-TIE-RODS

- (a) Any DOT passenger vehicle tire may be used. Doubled tires are OK. NO forklifts tires allowed.
- (b) Valve stem protection is permitted.
- (c) Tie rods may be reinforced. Must have stock tie rod ends.

SECTION 15 SIGN BOARDS / FLAGS

- (a) Car numbers will be painted on the signboard. Numbers will be at least 18" high and minimum of 2" thick. Signs need to be in **CONTRASTING COLORS** such as black numbers on a white background, including custom signs. If the signboard is unreadable, the car will not be permitted to race until it is corrected. Cars will have pull down flags mounted 3' above the roof and accessible by the driver.

SECTION 16 REPAIRING DAMAGED CARS

- (a) When repairing damaged cars, you may use two (2) 4"x4"x1/8" plates per frame section. Plates cannot be any closer than 3" to each other. They may not attach to each other in any fashion. Repaired pieces must have an inspection hole drilled in the center of plate. A frame section is one frame rail in front of or behind an OEM firewall. 2 plates RF frame, 2 plates RR frame, 2 plates LF frame and 2 plates LR frame. That's 8 total plates. You may not add any more than this. **YOU MAY NOT TAKE PLATES AWAY FROM ONE (1) FRAME SECTION AND ADD TO ANOTHER.**

SECTION 17 MISC CAN & CAN'T DO

- (a) You may cut firewall for distributor clearance. You must cover the hole to block fire from getting in the passenger compartment.
- (b) You may clamp leaf springs, 4 clamps per leaf. 2"x1/4" MAX, two 3/8" bolts per clamp.
- (c) Body mounts may be removed. If replacing bolts, you may use bolts/all thread no larger than 3/4", MAX 3"x3"x1/4" washer/plate. Washer **WILL NOT** cover body mount hole on exterior of frame. Must be able to see inside the frame. In addition you may add two (2) body mounts. No larger than 3/4" bolts/fasteners. MAX washer size is 3"x3"x1/4". Must be brightly painted for easy viewing. If your station wagon came with the body bolts in the humps, these are your 2 additional mounts. You will **NOT** be allowed to add more mounts.
- (d) You may re-bolt hood skins. 16 bolts maximum. 3/8"max bolt size. 1" max washer size.
- (e) You are allowed 8 3/8" bolts with 1" diameter washers per corner of car. Not in the trunk or hood.
- (f) Fire extinguishers **ARE** mandatory. It must be securely mounted and within drivers reach. We suggest having one in your pit area.
- (g) You may chain the humps. You will be allowed 1 wrap of chain. It may go around the rear end 1 time and up through the body and around the frame 1 time and be bolted together. If you don't chain your humps you may run chain from rear rail to rear rail behind the rear humps. 3/8" chain max.

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