

OFFICIAL 2017 SPECIFICATIONS FOR FRONT WHEEL DRIVE DEMOLITION DERBY

NOTICE: ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF IRWINDALE SPEEDWAY OFFICIALS. ALL CARS MUST PASS A PRE-COMPETITION INSPECTION AND ALL CARS ARE SUBJECT TO A POST INSPECTION. NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION.

1. Exteriors and Car Body

- (a) Any 1980 or newer 4 cylinder or V-6 front wheel drive car or station wagon with a wheel base of 102 inch or longer is eligible to compete.
 - (1) No V-8 or straight 6 cylinder engines. No 4-wheel drive or all-wheel drive cars.
 - (2) No trucks, convertibles, El Caminos, SUV's, pick-ups, or T-tops.
 - (3) Cars must be 100% factory stock for year, make, and model and unmodified, except as indicated in these rules.
 - (4) A car which has been in other derbies may not be allowed to enter if it is determined to be too battered or unsafe.
- (b) All cars must have complete bodies.
- (c) All lights and body moldings must be removed.
- (d) Trimming of wheel wells for tire clearance will be permitted.
- (e) Trimming of metal from previous crash damage will be permitted.
- (f) No reinforcing of frames, cross members, bumpers, or bodies for the purpose of limiting impact damage.
- (g) Passenger car radial tires only.
 - (1) No Light Truck (LT) or Mud and Snow (M+S) tires.
 - (2) Wheels and tires must be OEM original size and type.
 - (3) Air only in tires.
 - (4) Tires must be DOT street legal passenger tires.
 - (5) No run flat tires.
 - (6) Tubes may be used.
 - (7) Valve protectors not permitted.
- (h) Any trailer hitch must be completely removed.
- (i) Bumpers must be stock for year, make, and model. The height of the front and rear bumpers must be stock. Car must not be raised or lowered, and must sit at approximate stock height.
- (j) No weight may be added.
- (k) No electric fans, unless OEM for make and model.
- (l) Horn must be disconnected.
- (m) Body to frame mounts must be stock. Altering body to frame mounts not permitted. Removing rubber type body mounts not permitted.

2. Interior

- (a) All glass is to be removed from the car, except the windshield.

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- (1) Windshield may be removed when a wire screen or 3 steel rods are used to protect the driver instead of a windshield. Screens used in place of windshields must be securely mounted and be no larger than 1/2-inch mesh.
- (2) Do not roll down windows and/or break the windows in the doors.
- (b) Interiors must be vacuumed or cleaned and free from debris.
- (c) All interior upholstery, carpet, head-liners, and door panels must be removed, except the driver's seat.
- (d) It is recommended that crash-bar braces across the interior width of the vehicle be installed directly behind the driver's seat at door post, and in front of the driver's seat at the lower windshield post.
 - (1) If such a brace is used it must be a maximum of 3-inch in diameter and 1/4-inch wall thickness.
 - (2) No other interior non-OEM bars or reinforcement supports permitted.

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- (e) If the battery has been relocated inside the passenger compartment, such battery must be securely mounted and enclosed (covered) inside a securely mounted container (e.g. boat or RV battery storage case).

3. Engine, Cooling, Exhaust, Suspension

- (a) Engine must be in stock condition and location.
 - (1) Engine and transmission mounts must be stock. No welding engine mounts or adding engine mount supports.
 - (2) Engines must be steam cleaned free of oil and grease.
 - (3) Engines must be stock OEM for make and model.
- (b) Radiator must be in stock location.
- (c) Transmission coolers aftermarket or non-OEM not permitted. Stock transmission coolers may be looped, bypassing the cooler.
- (d) All suspension components must be stock.
 - (1) Rear suspension stock coil springs only.
 - (2) Air shocks must be depleted of air and disabled.
 - (3) No reinforcing of suspension will be allowed.
 - (4) Making the suspension rigid or jacking up suspension will not be allowed.
 - (5) No truck suspension components.
- (e) Drivelines and transaxles must be stock. No modifications permitted.

4. Identification

- (a) A 16-inch x 16-inch number board must be securely mounted on the car's roof with that night's car number painted visible in contrasting colors.

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5. Safety

- (a) Each competitor is solely responsible for the effectiveness of personal safety equipment used during an event. IRWINDALE SPEEDWAY IS NOT RESPONSIBLE FOR THE EFFECTIVENESS OF ANY PERSONAL SAFETY EQUIPMENT.
 - (b) Crash-bar recommended (see Interior section).
 - (c) All drivers must have and use a minimum 3-point seat belt system (5-point recommended).
 - (1) OEM driver's seat belts must be in good condition and securely mounted.
 - (2) Aftermarket driver's seat belt systems should be installed in accordance with the directions provided by the supplier and/or manufacturer.
 - (3) Shoulder belts may utilize or be mounted to the recommended crash-bar.
 - (d) Every car must be equipped with one fully charged fire extinguisher having at least a 10B:C rating.
 - (1) The fire extinguisher or the fire suppression activation control must be mounted within the seated driver's reach and readily accessible for use.
 - (2) Each fire extinguisher must be designed to permit visual determination of whether it is fully charged.
 - (3) Each fire extinguisher shall have been rated and labeled by one of the following test labs:
 - (A) Underwriters Laboratories, Northbrook, Illinois.
 - (B) Factory Mutual Research Corporation, Norwood, Massachusetts.
 - (e) Fuel tanks: cars that have the fuel tank located between the front and rear axles may leave the tank in the stock location; cars with fuel tanks located behind the rear axle must be removed.
 - (1) Cars with fuel tanks removed must properly secure an approved fuel tank inside the car on the passenger floorboard area.
 - (2) A sealed, spill proof, UL approved fuel tank (e.g. boat fuel tank) may be used.
 - (3) The original stock fuel tank may be used when securely mounted inside the passenger compartment and centered in the rear passenger area.
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- (4) The following items must not be used to secure the fuel tank: self tapping screws, self tapping bolts, or plumbers tape.
 - (f) Every driver must wear a helmet, at least a valid Snell SA 2010 or newer.
 - (g) Every driver must wear eye protection.
 - (h) Approved fire suit mandatory. Gloves required.
 - (i) It is recommended the center of steering wheel be padded with 2-inch of resilient material.
 - (j) It is recommended padding be used on the inside of the driver's door and on the corner post.

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- (k) The engine hood must be modified for emergency response fire suppression access; either 2 holes, on left and right sides, 4-inch maximum diameter, or 1 hole, 6-inch in diameter, in center.
- (l) Cars may be equipped with a battery on/off switch.
- (m) All passenger doors, and trunk lids must be welded or chained closed; a 3/8" or smaller chain, one loop (wrap) only; or 18 inches total weld per door or trunk lid.
- (n) The driver's door must be welded or bolted closed. Driver's door may be welded solid or re-enforced within reason.
- (o) All hoods must be welded, chained, or bolted closed at no more than 4 points; chains 3/8" diameter and 36" length maximum or smaller, one loop (wrap) only; or welded 18 inches total per hood; or bolts, 1/2 diameter by 6" length maximum. Bolts or chains must not pass through the frame in any way.

6. Event Procedure

- (a) No competitor may hit another competitor on the driver's side.
 - (1) Hitting the driver's side may cause you to be disqualified from that night's event.
- (b) Any car that does not make contact with another car within two (2) minutes may be disqualified. (1) Glancing blows will not be considered contact.
- (c) If your car stalls and it takes more than two (2) minutes to restart your car, it will be disqualified.

7. Vehicle Removal

- (a) All cars used in the derby must be removed that night.
- (b) Failure to remove your car will result with any or all of the following: charged a disposal fee, loss of any money or winnings, loss of points for the event, suspension from future event(s).