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## BEAUDESERT SHOW – 2018 BUZZ BOX DEMOLITION DERBY RULES OF ENTRY & NOMINATION FORM

For all enquiries please contact the show office

### BUZZ BOX DEMOLITION DERBY CAR PREPARATION RULES

The rules and specifications listed here are to be read and abided by in a sportsperson-like manner. Failure to do so may result in the driver/car being excluded from the event. Any misinterpretation or misrepresentation of the rules to gain a competitive advantage be it accidental or deliberate may result in disqualification of the driver and car. **If you are in doubt – please email [derby@beaudesertshow.com.au](mailto:derby@beaudesertshow.com.au) and your enquiry will be answered as soon as possible.**

- **DRIVERS** must be over 16 years of age. Drivers 16 -18 years of age must accompanied by a fully licenced driver (red P's and up).
- **PASSENGERS** must be over the age of 16 years.
- **Passenger** must have a securely mounted GRAB HANDLE (min 15mm outside diameter). Be aware of the height of your passenger when fitting grab handle. Light walled conjute is not acceptable.
- **All GLASS**, interior and exterior door handles, mirrors, locks, badges, grilles, chrome strips, alloy mouldings and surrounds, plastic mouldings, airbags [seek professional advice] etc are to be removed. (This means anything which may be dislodged and become a projectile). Under-body brackets (eg exhaust brackets) are also to be removed.
- All unnecessary **FLAMMABLE MATERIAL** is to be removed, eg hood and door linings, any plastic or rubber. Original heater in heater box must be removed. All holes in firewall must be **adequately** covered with steel sheeting [.8mm-1.6mm thick] and pop riveted/screwed and sealed with silastic.
- **FUEL TANK: ALL CARS MUST HAVE INSTALLED A BEAUDESERT SHOW SOCIETY REGULATION FUEL TANK** Only the approved Beaudesert fuel tank design is to be used (1 tank per car). Main demolition derby cannot hold more than 5lts of fuel and the Buzz Box derby cars cannot hold more the 3lts of fuel. Fuel tank must be securely mounted with 4 bolts (not teck screws) on a sound part of floor only [no mounting plates]. Tanks to be 800mm or more from the rear of car, and are to be covered with a leak and flame-proof 20L metal tin which will hold any spilt fuel in the event of a rollover. Cover tin must be securely held at 4 points with non-flammable material eg wire, chain, right angle brackets etc- *NB: these may be purchased from the Beaudesert Show Office or hired from the show office.* **ORIGINAL FUEL TANK** must be removed completely or have a hole of at least 25mm (1") in diameter punched into it at lowest point in bottom of fuel tank. Do not try to cut or drill a hole in a tank with a grinder, oxy or any device that may create a spark, even if it is empty.
- **FUEL LINE** is to be no longer or larger in diameter than original fuel line. The only fuel filter to be fitted is to be no larger than a plastic Ryco Z14KA or equivalent. Screw-up hose clamps must be used on all hose connections. Fuel filter must be located between the tank and pump. If located in cab, it must be under tank cover. Avoid unnecessary connections in fuel line. Only lead-replacement fuel or unleaded fuel to be used.

#### FOR FUEL INJECTED CARS ONLY:

- All unnecessary **FLAMMABLE MATERIAL** is to be removed, eg hood and door linings, any plastic or rubber. Dash may remain in car, computer/ECU may be shifted. Original heater in heater box must be removed. All holes in firewall must be **adequately** covered with steel sheeting [.8mm-1.6mm thick] and pop riveted/screwed and sealed with silastic.
- **FUEL TANK:** Only approved fuel tank may be used (New design for fuel injected: 1 tank per car). Fuel tank must be securely mounted [800mm or more from rear of car] with 4 bolts (not teck screws) on a sound part of the **floor only [no mounting plates]**. The cover/spill tin is not required for fuel injected cars due to design of tank.
- Original **FUEL LINE** underneath car must be used. Fuel line can be shortened to allow for mounting of new pump. 1 x external high pressure fuel pump [eg VL Commodore pump] mounted underfloor as close as possible to derby fuel tank. 1 x Ryco Z200 fuel filter, fitted underfloor. Pump and filter may be shielded, [must not reinforce bodywork of car]. **All rubber connections, hoses and clamps must be fuel injection grade.** Lead-replacement fuel or unleaded fuel only.
- **SAFETY SWITCH** for fuel pump is compulsory and must be clearly visible and mounted in centre of windscreen panel.
- **HOSES, ELECTRICAL WIRING and FUEL LINES** may be re-routed in the engine bay. Re-routing of the fuel line must not increase the overall length of the fuel line. When rewiring ignition, starter etc use a grommet when passing wires through steel panels (they may rub through and cause an electrical fire otherwise). Keep electrical wiring and fuel lines at least 150mm apart. Re-routing of cooling system hoses must not increase the volume of water in the cooling system.
- **IGNITION** or kill switch and starter switch must be able to be reached by both driver and passenger without undoing or slipping out of seat belt. Switches **MUST** be used. Twisting wires together to start/stop is not acceptable.
- **BATTERY** to be securely mounted with metal bracket (plastic holders are not acceptable) on top of battery with at least two 8mm (5/16") bolts through bracket and car floor with adequate washers under floor, or attached to a base frame [max dimension 400x300x2mm] which is mounted to floor with adequate washers. If battery is mounted inside cabin, an acid-proof cover must be effectively fitted. If using a rubber



inner tube, cut holes so they seal around the battery terminals, or seal the holes with silicon. Passengers will not be allowed if battery is fitted on the front floor. Do not mount the battery on the tunnel or on the same side of car as fuel tank. Leave a gap of at least 150mm between battery and tank. One 12 volt battery only allowed. Joins in battery cables must be heavily insulated [eg use radiator hose, not insulation tape].

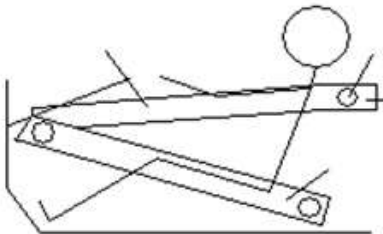
- **SEAT BELTS:** 3 point or better for driver and passenger. Must be bolted in, **not welded**. Belts to be in good condition (no burn marks or fraying). Inertia reels may be used and will be locked at scrutineering.
- **BARWORK:** All cars to have a minimum 75x50x3mm (3"x2") RHS or equivalent steel beam across each front door to protect the driver and passengers' legs and hips. The beam should follow the line of your leg from hip to knee when seated. These beams are to be secured to the door pillars (front and rear) via welds.
- **THE TRIANGLE SIDE INTRUSION BAR** [minimum size 50x50x3mm or equivalent] formation as illustration in Diagram 1, pg 4 is now compulsory.
- **Pipe** is to be welded between the left and right beams (one behind the seat and one across the dash). The pipe is to be butted up against the centre of the vertical face of the ends of each beam. The pipe is to be a minimum of 40mm (1½") nominal bore black steel 3mm wall thickness (gal water pipe will not be accepted). In addition a steel plate of at least 5mm thickness and approx. (minimum of) 600x400mm (preferred pillar to pillar) is to be located between the 75x50mm beam and the door for both driver and passenger; (if applicable) to add further protection to the legs and hips.
- A **40mm (1½")** or larger NB Black steel pipe is to be welded between the door pillars near the top of the seat to support the rear of the seat and to help prevent the pillars from collapsing. If the seating position prevents you from welding the pipe directly to the door pillars, a piece of 50x6mm flat steel should be welded to the ends of the pipe and run forward to the pillars.
- **ROLLBAR** or roll cage is optional, however it may only be made using black steel and must not protrude more than 300mm past the back of driver's seat or forward of the inside of the firewall.
- **BRAKES:** Minimum of two wheel lockup.
- **SPARE TYRE** is to be removed. If the car was fitted with an under-car carrier, this must also be removed. TOW BARS to be removed.
- **GEARSHIFT** to be operated by hand from driver's seat without undoing or slipping out of seatbelt. Holes cut in floor for gearshift must not exceed 250mm x 120mm and must be adequately sealed [eg with rubber tyre tubing or insertion rubber with a slit cut in it.]
- **ACCELERATOR** must be operated by the driver's right foot. A hand-operated back up or extra accelerator is allowed.
- **DOORS, BOOT or TAILGATE:** NO welding of doors, boot or tailgates. Driver and passengers doors to be securely tied shut with 2 chains (6mm diameter links - must pass through side intrusion plate) and appropriate D shackles (see diagram). Read doors: 1 chain each (through door handle) boot/tailgate: 1 or 2 chains. Be mindful of seat belts and fuel lines. **UTES and PANEL VANS** built must have tailgates/ rear doors and there is to be **NO CUTTING** of the rear ute or van floor to aid in crumpling.
- **BONNETS** are not to have any holes except for hold-down points. Original hinges are to be used and must have all bolts. Remove gas struts. A maximum of 4 x straight bolts / pins are allowed in total and are to be a maximum diameter of 16mm and maximum length of 300mm. All washers to be a maximum 100mm x 100mm x 4mm. Bonnets may be tied with 2 x 6mm chains and D shackles instead of bolts / pins. Maximum 4 hold-down points in total [eg 4 pins, or 2 pins and 2 chains etc].
- **BONNET INTRUSION BARS** are compulsory [unless windscreen has full mesh], regardless of whether bonnet is front/rear hinged. Weld 2 x 10mm rods from the firewall to roof, to protect against bonnet coming through between windscreen pillars. MESH may be fitted securely to front door windows or windscreen. However you must still be able to exit the front of the car, so don't do both. MESH on doors to be placed inside door cavity and zip-tied in with good quality 5mm zip ties.
- **NO FULL CHASSIS CARS**
- **RUST:** Cars with excessive driver / passenger compartment rust may be judged by the scrutineers to be unsafe and may be excluded. Any MODIFICATION [eg plating over rust patches etc] considered necessary to a car with excessive rust, or one which has been in a previous derby must be **pre-approved by a scrutineer**. Modifications must be carried out strictly in line with scrutineers' recommendations and shall *in no way reinforce the car*. These must be noted on entry form and pointed out at scrutineering. No BODY FILLER (bog). All welds must be visible.
- **REMOVABLE** floor panels [eg covering original fuel tank etc] to be removed or secured by 4 x 16mm [max] diameter bolts/pins with washers [max 100x100x4mm] through to underneath of car. Panel must be easily removed for scrutineering and must also have 100mm inspection / vapour release hole punched in centre. Removable panel will now be secure enough to mount fuel tank and battery.
- **MUDGUARDS** are to be standard (not to be cut away unless car has been in a previous derby and approved by scrutineer). No welding or cutting to gain a competitive advantage.
- **Cutting of any BODY PANELS** including sub-frame is **prohibited**.



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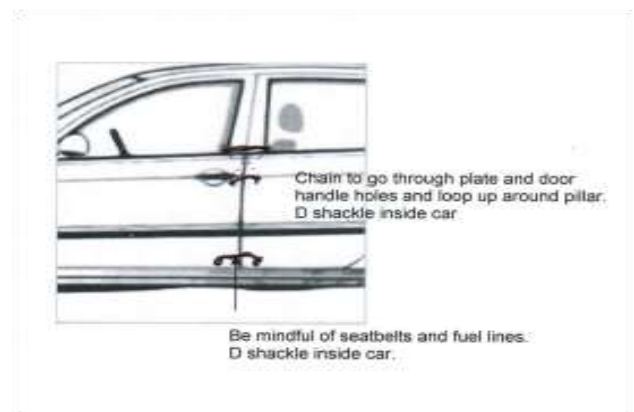
- **BUMPER BARS** are to be in the original position and are to be identical to the original bars. No steel bars in place of plastic. Only original mounts are to be used. Welding of bumpers is limited to 150mm at each end (top and bottom). If you are running a plastic bumper, paint your number on it and make sure you take it home.
- **SPRING LEAVES:** Excessively protruding spring leaves on cars that have competed in previous derbies must be cut off. The ends of original spring clamps may be welded together.
- **REAR SUSPENSION:** All cars must meet a common height of 300mm from flat ground to bottom of sill at the points closest to each wheel. We will be using a standardized measuring tool to ensure cars are not excessively high. If you choose to insert pipe to raise rear suspension the pipe must be securely welded and tied to vehicle with chain as a back-up in the event of a weld breaking. If the scrutineer feels any modification to rear suspension is unsafe, or car is excessively high the car will not be allowed to compete. For this reason, modifications are allowed, but strongly discouraged. This applies to fresh AND second hand cars.
- **\*\*4-CYLINDER CARS ONLY\*\* DISTRIBUTOR:** May have distributor protection not exceeding 100mm x 100mm x 6mm plate mounted to engine only.
- **RADIATOR** compulsory and to be standard car type and to be mounted in *as close to original position as possible*. Original heater in heater box must be disconnected. If heater is removed, hole must be covered with sheet metal maximum 1.6mm thick. No other radiator type devices are to be fitted. Radiators are to be filled with water only. No additives, unless stop-leak is required, in which case you must consult a scrutineer for approval.
- **FAN** can be removed and a 125x125mm square of metal (1.6mm or less) may be attached to the radiator in front of the fan pulley.
- **MOTOR** may be swapped with an identical size / model as per original production. Any other changes must be done with prior written request of Chief Scrutineer. This ruling may enable you to change a fuel-injected motor for a carburetted motor of similar capacity.
- **No DIESEL engines.**
- **ENGINE and GEARBOX** mounts: Rubber mounts may be replaced with steel or chain. CLUTCH linkages may be changed to cable or hydraulic systems. DIFF centre may be welded or locked, but housing must not be welded to subframe via spacers.
- Devices designed to create smoke will not be allowed. **Excessively smoky cars may be excluded.**
- **WHEEL WEIGHTS** are to be removed. RIMS are to be manufacturers' diameter for that make and model. Mag wheels can be replaced with steel rims. TYRES can be changed.
- **SEATS** may be changed, but must be mounted securely. Adequate PADDING for driver and passenger is compulsory.
- **FIRE EXTINGUISHERS** are allowed, but must be securely mounted with a steel bracket.
- Cars must be clean internally (**no rubbish inside cars**).

Below are the diagrams of the layout of the required bar work. This bar work is designed to reduce your chances of injury in case of side impact. As the diagrams indicate, the 75x50mm RHS is to run in line with your upper leg.



40mm NB 3mm (or stronger wall pipe)  
Plate to secure pipe to door pillar.  
Side intrusion bar [parallel to door sill]

75x50x3mm [or stronger] RHS



#### Terms and Abbreviations Used:

- NB Stands for Nominal Bore and is an approximate inside diameter. For example, 40mm NB pipe is at least 40mm inside and usually 50mm outside.
- MILD STEEL Refers to a low carbon grade of steel that is easy to cut and weld.
- BLACK STEEL Refers to untreated mild steel (it may be painted, but must not be galvanised)
- RHS Refers to Rolled or Rectangular Hollow Section and indicates how it was formed
- GAL Refers to galvanised steel and is of similar strength to mild steel, but requires advanced welding skills. It can appear to be welded correctly, but is often only a surface weld with no strength.



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## BEAUDESERT SHOW – 2018 BUZZ BOX DEMOLITION DERBY NOMINATION FORM

For all enquiries please contact the show office

**EVENT: 2018 Beaudesert Show MAIN DEMOLITION DERBY  
 FOR ALL ENQUIRIES PLEASE CONTACT THE SHOW OFFICE.**

Email: [derby@beaudesertshow.com.au](mailto:derby@beaudesertshow.com.au)

Phone: 0755 413 200

**Competition Fees: \$35.00 per car – full payment must be received before entry is accepted.**  
 (Includes 1 gate entry pass for driver ONLY)

- **ALL COMPETITORS MUST BE WEARING GATE ENTRY WRISTBANDS TO COMPETE.**
- *Wristbands must be worn at all times. Any wristbands found damaged will result in them being deemed not valid.*

**Entries CLOSE: MONDAY 3<sup>RD</sup> SEPTEMBER 2018 - STRICTLY NO ENTRIES ON DAY**  
 (If a vehicle does not make it onto the ring to compete, a refund of the entry fee less gate pass fee)

**Entry Forms & Fees:**

- Postal - Post entry forms and payment to: Beaudesert Show Society, PO Box 94, Beaudesert QLD 4285
  - Email - Email entry forms to: [derby@beaudesertshow.com.au](mailto:derby@beaudesertshow.com.au)
  - Payment online: BSB: 034-630 ACC NO: 298-185  
 Acc Name: Beaudesert Show Society, Reference: Competitors Name

**COMPETITORS INFORMATION**

- **DRIVERS** must be over 16 years of age. Drivers 16 -18 years of age must accompanied by a fully licenced driver (red P's and up).
- **PASSENGERS** must be over the age of 16 years

Drivers Name:	Drivers Licence No:
<i>Any competitor under the age of 18 years of age must have a parent/guardian complete the Declaration of Minors form below.</i>	
Postal Address:	
Post Code:	
Contact Phone No:	
Passengers Name:	
<i>Any passenger under the age of 18 years of age must have a parent/guardian complete the Declaration of Minors form below.</i>	

**VEHICLE INFORMATION**

VEHICLE MAKE & MODEL:	Existing Roof No:
SPONSORS NAME:	
NB: This information is used by the event announcer to recognise the vehicle during the event.	

This is to certify that I, being the nominated driver have read and understand the RULES along with the Waiver, Release and Acknowledgement Form and that I agree to abide by said Rules and accept any decision made by Beaudesert Show Society and its representatives.

**Both the driver & passenger (if applicable) must each sign a separate waiver form.**

*\*NB: It is the responsibility of each driver to ensure they understand & comply with these rules.*

Drivers Signature:	Date:	ENTRY FEE:	\$
Passenger Name:			
Passenger Signature:	Date:	TOTAL:	\$

Scrutineering starts at 8.30am Saturday 8th September and finishes at 3.00 pm. Cars will not be accepted after 1.30 pm. Cars are to be race ready prior to commencing scrutineering. Any cars that do not pass scrutineering first time will have until 1.30 to fix problems and be rechecked.



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Upon receipt of completed Nomination Form, Competitors Waiver Form/s and Entry Fee, you will be contacted to acknowledge your entry. You will be then forwarded your Entry Number, Gate Passes (wristbands), and Vehicle Passes. Demolition derbies are potentially dangerous and whilst we check your car as thoroughly as we can in the short time we have, the final responsibility for your safety is your own. Read the rules in full and be sure you understand them. If you do not believe we have endeavoured to cover all safety aspects then do not enter.

**Name of Event: Beaudesert Show Main Demolition Derby**  
**Date / Duration of Event: Saturday 8<sup>th</sup> September 2018**  
**WAIVER, RELEASE and ACKNOWLEDGEMENT FORM**

In this Waiver, Release and Acknowledgement Form "the Society" means and includes all affiliated entities; servants or agents of the Society, all employees of the Society, all members of the Society and all volunteers of the Society and/or all affiliated entities.

By participating in the Event: The Beaudesert Show 2016 Main Demolition Derby.

1. I acknowledge that it is a condition of participating in the Event that I do so at my own risk. I accept all risks and release the Society from all claims, demands and proceedings arising out of or connected with my participation in the Event and indemnify them against all liability for any injury, loss or damage arising out of or connected with my participation in the Event. This release continues forever and binds all of my heirs, successors, executors, personal representatives and assigns.
2. I acknowledge that it is a condition of participating in the Event that the Society and any person or body directly or indirectly associated with the Event are absolved from all liability arising for injury or damage to myself or my property howsoever caused arising out of my participation in the Event whatsoever whether due to any negligent act, breach of duty, default and/or omission on the part of the Society and any person or body directly or indirectly associated with the Event, or otherwise.
3. I acknowledge that participating in the Event may involve a risk of serious injury or even death. I accept all risks necessarily flowing from participating in the Event.
4. I acknowledge that the Society relies on the information provided by me and state that all such information is accurate and complete.
5. I warrant that I am physically fit to participate in the Event and that I have not been advised otherwise by a qualified medical practitioner. I acknowledge that I must disclose any pre-existing medical or other condition that may affect the risk that either myself, or any other person will suffer injury, loss or damage.
6. I consent to receiving any medical treatment including ambulance transportation that the Society and any person or body directly associated with the Event think desirable as required during the event.
7. I acknowledge that it is a condition of participating in the Event that I follow the instructions of the Society and any person or body directly or indirectly associated with the Event at all times. I indemnify and keep indemnified the Society and any person or body directly or indirectly associated with the Event from all claims, demands and proceedings arising out of or connected with a failure by me to comply with rules and/or directions given to me by the Society and any person or body directly or indirectly associated with the Event.

Drivers Waiver Acknowledgement	Passengers Waiver Acknowledgement
<b>Print name in full:</b>	<b>Print name in full:</b>
<b>Address:</b>	<b>Address:</b>
<b>Post Code:</b>	<b>Post Code:</b>
<b>Phone No:</b>	<b>Phone No:</b>
<b>Signature:</b>	<b>Signature:</b>

**MUST BE COMPLETED: DETAILS MUST ON THE DAY OF THE EVENT, if this information changes before the event you must complete a new waiver form.**

**DECLARATION OF MINORS – UNDER 18 YEARS OF AGE**

If you are under the age of 18 years on the Event Day your parent or guardian must sign this declaration.

I certify that I am the parent/guardian of \_\_\_\_\_ who will be \_\_\_\_\_ years of age on the day of the Event and that he/she has trained for and has my consent to participate in the Event. I testify that I have read the above and acknowledge acceptance of the stated conditions on behalf of the minor specified above.

In consideration of the facilities provided to us, I myself, my executors, administrators and assigns and for the child/children/under age person/s (if applicable) absolutely release and discharge the Show Society and any person directly or indirectly associated with the Event from all claims, demands and proceedings arising out of or connected with participation in the Event that I or the child/children/under age person/s may suffer or sustain

Signature of parent/guardian: \_\_\_\_\_ Date: \_\_\_\_\_

Print name in full: \_\_\_\_\_