

# “Hit to Pass”- Contact Racing

Our first concern, of course is safety. Safety of drivers and crew. Racing is dangerous, but is also enjoyable. This Vehicle prep rules are design to make all competitors equal and bring the “FUN” to the sport of racing. Build a safe vehicle and have Fun!

## Vehicle Prep Rules

This class is classified as Mid-size / Metric passenger vehicle and wagon/ also permitting mid size 2wd pickups (s10, ranger, ram 50) and Pre 90's c10 (half ton) 2wd short box pick-up trucks. Weight of vehicle MUST not exceed 4000 lb with driver and or passenger. No Full size pre 79' cars, vans, and no full-size extended/ crew cab/ long box trucks.

### ITEMS YOU MUST DO TO YOUR CAR:

1. We must have very clean cars to run event. Nothing that can be left that can fall off to damage track. Please remove all glass, plastic ornaments, lights and bulbs. Car must be clean of all loose objects. Chrome side-trim, hubcaps and wheel weights must be removed. All trailer hitches, gas tanks must be removed. All pot metal must also be removed. Remove all interior. Drivers seat must be a Hi-back bucket seat.

2. On bumpers you must add extra support by welding the brackets to the bumper and the bracket to the frame. Also add bumper chains to help keep bumper from dragging on the ground. No extra metal is to be used to add support.

**\*\*\* Trucks Front and rear ride height must be equivalent to others on the track. Must lower truck to meet proper bumper heights of class. (Call tech for any questions)\*\*\***

3. Engines and transmissions must remain in stock position.

4. Drivers and passenger doors must be reinforced using steel bars. All doors must be securely fastened shut by means of strong metal bar clamps or chain with a bolt. You may use channel iron, I beam or box steel. (The end of the bars must be bevelled or rounded, maximum length 72"long). 3 1" Bolts holding bars to car must go through entire door or fender, not just outer skin. Any good-sized washer is allowed. Bolts must not extrude beyond bars within reason. Door bar can only extend a maximum of 8 inches ahead of front fender door seam. Pipe, “grader blades,” railway ties, or angle iron is not acceptable. If the driver's door bar falls off during the race, the car is disqualified. Minimum thickness is 3/16”.

5. A cross brace must be used in front as a dash bar mounted above steering columns that is connected to the door bars. Crossbars must be within reasonable size (2” to 6”). The rear cross bar must be mounted from door bar to door bar to the floor and to the roof behind drivers seat. No rusty floors!

6. A chain or bracket must hold steering column up to the dash or cross bar. Must be secure and enough room for feet.

7. A sturdy metal head post should be in all vehicles. Driver side door post to Passenger side door post, from floor to roof in an H pattern. Head post must be bolted, not welded to the floor and to the roof. (See diagrams for designs on both truck and car rear brace)

8. Hood and trunk may be fastened down in six places. A windshield restraining bar or chain must be installed from cowl to roof. Welding is not permitted on front hood. 1 ¼ -inch redi-rod, or all thread is maximum size for bolts max for front 2 pins only. Hood hold down bolts cannot be installed in front or behind the radiator. You may use 4 bolts to the frame, 2 on the hood and 2 in the trunk only. Washer plate size 5"x5" or not larger than 25 square inches in each place. All hoods must have holes on each side of the carburetor for fire extinguisher accessibility. You must have a suitable flame arrestor on your carburetor.

9. You must relocate your fuel cell to the back seat area of the car or front area of truck box, and securely fastened. Metal jerry cans, Stock tanks or marine boat tanks are **Not** allowed. Fuel lines must come out of top of tank. **NO BOTTOM FEEDS!** A hole must be cut in the floor metal under where the tank is placed for drainage. Fuel lines (if running STD fuel hose) must be covered by means of a heater hose or wrap of some kind. Hydraulic hoses are permissible.

10. Battery must be located on the floor inside of the car/ truck. It must be secured and must be covered. Maximum of two batteries per vehicle. Box must be securely fastened using big washers. If running passenger battery box must be behind rear crossbar in passenger compartment area.

11. Radiator must remain in stock position. Must remove Anti-freeze. A piece of 3" flat bar may be added to radiator support on top area of rad. From left inner side fender to right inner side fender. Radiator guard can be installed directly in front of rad s. between the frame rails. Must be secured down properly by welding or bolts. Cannot exceed beyond frame rails or reinforce frame. To protect radiator.

12. Transmission dipstick should have long piece of ¾" hose, fitted tightly over the end of it to prevent fluid overflow in to the exhaust. This hose must be mounted in the engine compartment and routed to a catch can. Must be mounted securely with bolts. Catch can must be metal and be able to hold a gallon of fluid.

13. Attach a Drive shaft chain near front of drive shaft to prevent shaft from touching ground if by chance the u joint breaks.

14. Carburetor must be 2bbl (any kind) and be mounted on an aluminium or cast iron manifold. Adapter plates to adapt can be used.

15. Electric switches must be uniformed. Up or forward for on, down or back for off. If running electric fuel pump a **HOBBS** type switch must be installed.

16. You must have good working 4-point safety harness. Please remove ratchet style belts. No Stock Belts.

17. **Driver's window must have an SFI approved safety net** with a release at top or bottom. Mount with minimum 3/8" diameter unthreaded steel rod, top and bottom.

18. All holes in firewall and floor **MUST** be covered. By means of a rubber mat or metal shielding.

19. All cars **MUST** have an approved fire extinguisher, minimum 2 ½ lbs., securely mounted within the drivers reach. No tape. Point in direction of engine.

20. A skid plate **MUST** be mounted on bottom of right lower front A arm. This can be achieved by welding a brake shoe to the bottom of arm to prevent track damage. Set height so if wheel falls off it rides on plate.

21. **PAINTED VECHICLES A MUST.** The Crowd likes to see clean and bright vehicles. No Black.

22. Roof top signs must be clearly legible.

23. If running passengers, Passengers MUST be registered member and safety rules apply same as drivers.

**\* IF IT DOES NOT SAY TO DO IT.... DON'T!**

## **OPTIONAL ITEMS:**

1. Wheel wells and bumpers may be trimmed.

2. Motor and transmission mounts may be strengthened by use of chain or weld and rear end may be locked.

3. Bumpers: We want the bumpers to stay on the vehicles. However we do not want people making battering rams out of this situation. If you wish to weld your stock bumper to the stock frame and to the stock bracket, this is acceptable. On Aluminium bumpers a strap of 2" x 10" from Chrome to shock can be welded on both top and bottom of each shock mount. 4 spots only. You may also weld the shocks on the bumper. Chained bumpers are a must. No channel iron please.

4. Transmission coolers. If tranny cooler is used, should be mounted in the passenger rear compartment. The cooler must be in an in closed box with hole in the bottom and through the floor for drainage. All lines must be made of either steel or steel reinforced hydraulic hose with proper high-pressure fittings/ couplings. Lines must be secured to vehicle. Tranny cooler box must be securely mounted. If reservoir is used, it must be ¼" thick steel, and must be pressure tested. Reservoir must also be securely fastened.

**IF YOU CANNOT DO THIS PROPERLY- THEN DON'T ATTEMPT IT!**

5. Firewalls can be hammered back or cut away to allow distributor clearance. BUT, if you cut you MUST use a rubber mat metal shield to cover firewall. All holes must be Plugged/ covered.

6. Any types of fuel pumps are permitted. If using an electric fuel pump, a power kill switch must be put behind drivers seat to allow fire crew to shut down car in case of fire. Must use metal fuel filters. No Plastic. Must put an "E" on the roof sign.

7. Bucket seats and floor shifters are permitted. \*Reminder all holes on floor must be covered by rubber mat or metal.

8. Drive shafts may be welded. On coil spring vehicles, rear springs may be tacked in or hose clamped.

9. Suspension modifications are allowed but must be from **OEM parts only. No Aftermarket products.**

10. You may run exhaust headers (stacks) thru hood. Stacks must always clear through hood by at least 10". Cannot be under hood. Vehicles will be tested while timing from the tower and the pits. If deemed to LOUD you will be forced to change to a down pipe exhaust.

11. Steering columns may be modified and strengthened.

12. Motor swaps are allowed. Must remain in front of firewall. Carburetor adapter plates permitted. 2-barrel carburetor only.

13. Tires may **NOT** be screwed to rim. Tires must be DOT approved tire. **NO RACE TIRES.** Wheel well openings may be enlarged and sharp edges must be made safe by bending over. You may only weld wheel wells. No bolts or screws. Two metal strips can be welded on either side of the valve stem on wheels. Must be steel construction rims.

**\*\*\*\* Right front wheel must use large 13/16 wheel nuts. \*\*\*\***

14. Rear end may be lock.

15. You may use only (6) 3/8" bolt and maximum of 1" washers around fire access holes. 3/8" nuts and bolts and 1" washers may replace Hood hinge bolts.

16. You may use mid body clamps anywhere in passenger compartment down to the frame. Kickers can be used. Must follow to diagram specs. (See diagram)

17. On hard top cars you may add a vertical bar extending from door bar or door, to roof on drivers and passengers windows. Must be secure.

18. Air conditioning condensers are allowed. Electric fans allowed.

19. Distributor plates can be used, but must not reinforce any part of the vehicle. Must stay behind grill and only 3/8" thick or less.

20. Rear of vehicle may have re-enforcement, which includes rear tire protection.

**ITEMS YOU MUST NOT DO TO YOUR CAR:**

1. NO trailer hitches are permitted, remove its frame and all its components. Also NO reinforcing of wheels, radiator base, etc. You can pre-weld frame seam joints Absolutely NO reinforcing of the frame forward the front firewall to bumper mount brackets.

2. NO ANTIFREEZE or synthetic oils are to be used.

3. TIRES must be D.O.T. approved. Passenger tires only. Studded tires are prohibited. \*Refer to tire rule above. Wheel weights are to be removed.

4. **No** custom channel iron bumpers please.

5. No 3/4 or 1-ton pickup differential swaps permitted

6. NO! Obscenities or foul language on vehicles.

**SAFETY RULES**

1. Driver must be an Agassiz Speedway club member in good standing, or provide proof of membership in a recognized club. No racing until current membership.

2. All Drivers/ Passengers must wear approved helmets and safety glasses or goggles. 4 way harness belts must be worn. **When racing, driver and passenger must wear an approved minimum 1 ply, single layer full-length fire suit. Fire suit must have an SFI/1 label. Drivers/ Passengers must wear an approved and fastened helmet while on the track. All Drivers/ Passengers are required to wear approved neck brace.**

3. Driver/ Passenger is advised to pad their door.

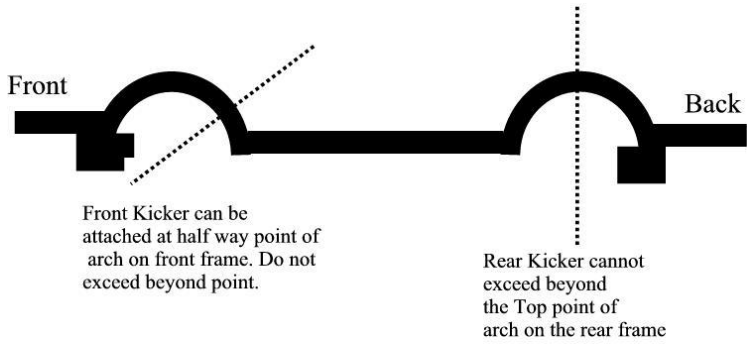
4. Entrants must remain inside vehicle during events and also keep head and arms inside vehicle.
5. All vehicles will be checked for working brakes.
6. If an official deems something unsafe, it must be corrected before you can run your vehicle in the next event (Think safety first).
7. AGAIN if running passengers, Passengers must be a registered member and safety rules apply same as driver's rules and prep.
8. **NO ALCOHOL/ DRUGS DURING EVENT IN PITAREA.**

**\*\*\* Please Note: These rules were designed for fairplay, sporting no advantages or disadvantages to first time drivers, or veterans. Let's do it and have fun.**

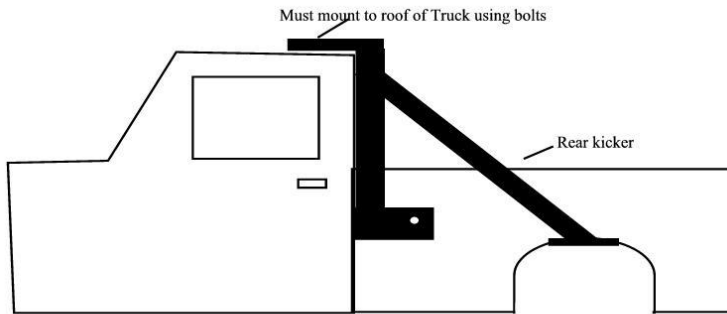
Any Questions regarding rules and you can call the following contacts:

Tech: Duane S @ 604-533-4502  
Sean E @ 604-308-4877

### Frame Kickers



### Truck Rear Brace Side View



### Rear view Truck Brace

