

# TEAM MEMBER RULES

All rules are written in the interest of **SAFETY** and **FAIRNESS** for all participants. The 2009 Bulldog 100 rules were written by the Rules Committee. The Technical Director is whom you need to contact with regard to the interpretation of the Bulldog 100 rules. Before and during the event, any questions on these rules should be directed to the Technical Director.

If your team or any team member acts on rules advice given to them by any person other than the Technical Director, your team is placing itself at risk of possible disqualification from the event.

During the event, judgment rulings will be made by the Technical Director, Event Director, and Pit Steward with input from the Technical Advisors.

IT IS THE RESPONSIBILITY OF EACH PARTICIPANT AND THEIR CREW MEMBERS TO CONDUCT THEMSELVES IN A SPORTSMANLIKE MANNER THROUGHOUT THE COURSE OF THIS EVENT. ANY INAPPROPRIATE CONDUCT DIRECTED TOWARDS EVENT OFFICIALS, FELLOW PARTICIPANTS OR SPECTATORS DEEMED UNSPORTSMANLIKE BY BULLDOG 100 OFFICIALS IS GROUNDS FOR EXPULSION FROM THE EVENT.

THE INTEGRITY OF THE EVENT WILL BE PROTECTED.

Drivers and participants must be valid licensed drivers, at least 16 years of age.

Race teams will consist of 6 (six) persons: 1 driver, 1 alternate and 4 pit crew. Any race team member can serve as a driver should the need arise.

Course perimeters, pit area and inspection areas will be restricted to approved team members or others as race officials may approve.

All team members and those with your team in the pit area must wear their Pit Access Badges at all times. Anyone in the pit area without a badge will be asked to leave the area. Due to space limitations, teams will be assigned a maximum of 18 Pit Access Badges.

All team participants must sign event insurance waivers and be appropriately registered prior to participating in any scheduled events.

Alcohol and/or chemical substances or the consumption of these items are strictly prohibited during or prior to any event.

Any loose clothing, long hair or loose articles must be controlled and managed by the individual, to prevent being caught in vehicle moving parts.

All driving participants are required to wear the following safety equipment during the race:

- ✓ LONG SLEEVE SHIRT, OR UNIFORM (NO SHORT SLEEVES)
- ✓ COVERALLS - FULL LENGTH RACE UNIFORM -FULL LENGTH PANTS
- ✓ FULL COVER SHOES - NO OPEN TOE OR SANDAL STYLE SHOES
- ✓ GLOVES AND HELMET ARE REQUIRED (while race is underway)
- ✓ **NEW RULE FOR 2009...Eye protection as follows...Prescription**

## **eyeglasses, safety glasses, or helmet visor (while race is underway)**

During the actual race, the pit crew members (that are nonparticipating drivers) will be allowed to wear short sleeve shirts and shorts (No open toe or sandal style shoes).

Spectators are restricted to areas designated as spectator areas. At no time are spectators allowed access to restricted race participant areas.

## **VEHICLE RULES**

1. Participating cars must be approved by race officials and race inspectors prior to the event.
2. All cars and car bodies must be Bulldog 100 approved and must be purchased from Texarkana College. This includes all competitions on and off campus.
3. Teams are encouraged to purchase spare parts well in advance and bring them to the race. The technical team will have spare parts available for purchase on site. We will do everything possible to ensure you do not fall out of the race due to lack of parts, but all situations cannot be anticipated.
4. Teams are encouraged to have at least one individual with mechanical skills and tools to service their car. We will do everything possible to ensure your team stays in the race, but please keep in mind that the technical team staff will be extremely busy and will only be available to assist if there is no other race related inspection / technical work being performed.
5. During technical inspection, only one team member may be present. Any questions or challenges about technical team rulings will be directed to the technical director. **AT NO TIME WILL TEAM MEMBERS ARGUE WITH OR CHALLENGE TECHNICAL TEAM MEMBERS. PLEASE REMEMBER THAT THESE ARE VOLUNTEERS AND THIS EVENT IS FOR CHARITY AND NOT FOR POLE POSITION AT THE DAYTONA 500!**

## **CAR BODY RULES**

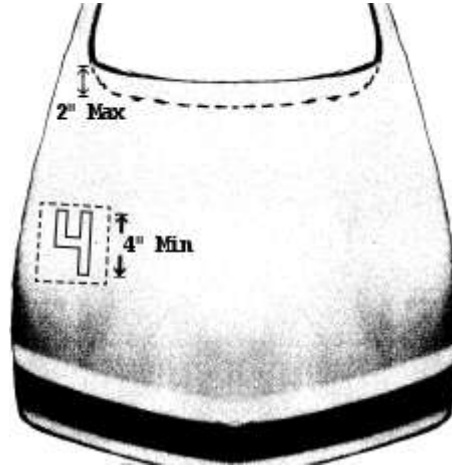
1. Body profile must be unchanged and must remain in stock location as designed by Manco Power Sports and must be purchased from Texarkana College.
2. Body hood may be cut or modified (for clearance of knees) no more than two (2") inches and one and one half (1 1/2") inches around wheel well.

NOTE: EXCESSIVE REMOVAL OF MATERIALS FOR THE EXPRESS PURPOSE OF WEIGHT REDUCTION IS PROHIBITED! Modifications to the body that would render it structurally unsound and/or provide an unfair advantage in competition will not be allowed.

3. Three (3") inch tall spoiler on rear must be made out of plastic or lexan (no metal, no sharp, square corners will be allowed.) Spoiler is optional.
4. Quarter window vent holes may be cut or drilled and must not exceed three (3") inches in diameter and may be covered with air scoop or louvers and are not to extend more than two

(2") inches from body. Self tapping screws around the windows will not be allowed; body rivets, bolts and nuts are okay. (One vent per side will be allowed).

5. Windows on the body must be covered. (lexan, mesh, etc.)
6. A number is required on the front of the car body; right front corner; four (4") inches tall; high contrasting color; static peel may be used. (See Below)



7. We encourage you to be as creative as possible with the paint scheme and design of your car.
8. However, if your design will require either the removal of materials from the body and/or addition of materials to the body, please consult with the technical director before making any such modifications.

## FRAME, WHEEL & TIRE RULES

1. Frame must remain stock. Teams will be allowed to install body support, front and rear. Support must not extend outside the body. Teams will be allowed to strengthen the rear axle. If it becomes necessary to replace the rear axle, it must remain in stock location and be approved by the technical director. The engine mounting plate must remain in stock location and mounting slots can be lengthened no more than one-half (1/2") inch. **IN THE INTEREST OF SAFETY, THE ENGINE MOUNTING PLATE MAY NOT BE ALTERED IN ANY WAY THAT IS NOT APPROVED BY THE TECHNICAL DIRECTOR.**
2. Tires and rims must remain stock. Painting and chroming will be allowed. Tires and rims must be purchased from Texarkana College. **NOTE: AIR PRESSURE ON RACE DAY MUST BE A MINIMUM OF 50 LBS. AND NOT EXCEED 75 LBS. PSI.** No modifications of tires, in any form that will alter the structural integrity of the tire, will be allowed. Tire rollout will be checked (Maximum is 36 1/2"). Rollout will take precedence.
3. Spindles must remain stock. (No after market spindles will be allowed). Teams will be allowed to remove spindle brackets from frame and re-weld to adjust for incorrect caster and camber. If this is necessary, notify the Technical Director.
4. Steering wheel modification: a smaller or larger steering wheel may be used. The steering shaft must remain in stock location. **NOTE: NO QUICK RELEASES.** Steering linkage must remain stock. Strengthening tie rod spindle linkage will be allowed. Brake and

accelerator pedals may be moved forward no more than three (3") inches from front of axle.  
**NEW RULE FOR 2009...Engine kill switch must be installed, and operative (switch can be removed and remounted on the steering shaft support, if desired)**

5. In the interest of safety, the seat can be changed or modified. (Seat must remain in stock location).
6. Any bearings not located on or in the engine may be replaced with after market bearings.(I.E. wheel bearings, steering column bearings, front end bearings).

## ENGINE, DRIVE TRAIN & BRAKE RULES

1. ABSOLUTELY NO PERFORMANCE ENHANCEMENTS TO THE ENGINE BY ANY MEANS OR DEVICE WILL BE ALLOWED. UPON DISCOVERY OF ANY MODIFICATIONS OR DEVICES, AT ANY TIME DURING THE EVENT, IMMEDIATE DISQUALIFICATION WILL TAKE PLACE AND THE TEAM WILL NOT BE ALLOWED TO CONTINUE THE EVENT. ENGINE ENHANCEMENTS / MODIFICATIONS ARE CONSIDERED TO BE A FLAGRANT VIOLATION OF THE RULES.
2. Only the flywheel cover, valve cover and gas tank may be visually enhanced by painting or powder coating.
3. Technicians will set race car engines at a predetermined RPM setting. This setting will be 3900. All cars will be set the same. It is the team's responsibility to insure that the RPMs remain at this setting through out the race. Any change in RPM or governor settings by team members will result in immediate disqualification. (Engine Rule)
4. Change oil, using tech approved oil. (NO SYNTHETIC OIL OR OIL ADDITIVES WILL BE ALLOWED). Changing original spark plug will be allowed, but replacement plug must be purchased from the technical team and must match original. Spark plug gap must not exceed 0.7 mm.
5. The Hilborn Style clutch and the Max Torque clutch will both be approved and must be purchased from Texarkana College. Gear ratio must not be changed. Stall speed will be checked and must not exceed 2800 RPMs.
6. The chrome clutch cover will only be allowed for show, not for the race.
7. The drive sprocket must remain stock and be purchased from Texarkana College. The sprocket may not be chromed or altered in any way that requires removal of material from the face of the sprocket. Teams will be allowed to remove minor imperfections from between the teeth of the sprocket, provided that such alterations do not change the dimension of the sprocket. If a technical team member has questions about the sprocket, the technical director may request a measurement and weighing of the sprocket.
8. Stock chain may be replaced with after market chains as long as it stays within stock specifications of 420 x 66.

9. Hydraulic brakes may be used to replace stock brakes. Due to safety concerns in the mounting of the hydraulic brakes, the teams must check with the technical director before the installation. Multi-wheel brake systems will not be allowed.

## RACE RULES

Race drivers shall be aware that unsportsmanlike conduct and unsafe driving practices can result in a 15-second stop-and-go penalty that is administered by the race course flagman.

**PIT STOPS ARE MANDATORY. FAILURE TO COMPLY WILL RESULT IN DISQUALIFICATION.** Pit lane officials are there to ensure pit stop rules are complied with and team members observe safe practices. Pit lane rule violations will be noted by pit officials and appropriate stop-and-go penalties administered by race officials. Race Officials will verify completion of the pit stop.

Any items found not to be in compliance with competition rules will cause that team to be assessed a 10 second penalty.

Any cars involved in apparent serious incidents / accidents are required to have drivers report to on-site paramedic services and to have their car inspected by technical team members before re-entering the race.

Any driver attempting to pass other active race cars are responsible for safe practices and conduct. Any car deemed to be blocking another car or driving in a reckless manner may be “black flagged”. Black-flagged means that the driver must STOP at the direction of the race official giving the black flag and must remain in that location until otherwise instructed.

All drivers must obey any signals or directions given by race officials. Failure to do so will result in a “Black Flag”.

## OTHER COMPETITIONS

### FASTEST PIT CREW

Each team will participate in a quickest pit stop competition that will be conducted with the following rules:

1. Team cars will be placed at a set point with one team member in the car.
2. Three (3) team members will be set at a predetermined distance behind the car.
3. When the competition officials start the event, the team members will foot race to the car to complete a full tire change, which is done by removing a tire, replacing with a new tire, and securing the retaining nut. This nut must not be able to be removed by hand. This rule also applies to pit stops during the races. The tire tool must not be carried by hand during the foot race, before, and after the tire change.
4. The tire - and the tire tool, must be placed beside the car before the competition and left behind after the competition. **NOTE: NO POWER TOOLS WILL BE ALLOWED DURING THE PIT STOP COMPETITION OR DURING THE RACES.**

5. During the tire change, each team must also switch the driver with another member of the team. The team member, in the car, must not remove his / her hands from the steering wheel until touched on the shoulder. The seat belt must be secure before and after the driver change. This is a timed event and timing will stop when the last team member returns across the starting line.
6. Teams will compete side by side in heats. The fastest team from each heat will advance to the next round. This is a double elimination event. Trophies will be awarded as follows:

FASTEST PIT CREW CHAMPION  
SECOND PLACE  
THIRD PLACE

ALL CARS WILL BE IMPOUNDED IN THE PINKERTON CENTER GYM OVERNIGHT ON THURSDAY AFTER THE PIT CREW COMPETITIONS AND FRIDAY NIGHT AFTER THE HEAT RACES (NO EXCEPTIONS). CARS MUST REMAIN IN THE TEAM AREA ON SATURDAY UNTIL THE EVENT HAS CONCLUDED (NO EXCEPTIONS).

### BEST-DRESSED PIT CREW

Each team will participate in a best-dressed team competition that will be voted on by a panel of judges that will judge each team on the appearance of team uniforms. Trophies will be awarded to teams from each division in the following order:

BEST-DRESSED PIT CREW  
SECOND PLACE  
THIRD PLACE

### BEST LOOKING RACE CAR

Each team will participate in a best-looking race car competition that will be voted on by a panel of judges that will judge each car on paint schemes, decals and body wraps. Company Promotional Props may be used for this competition. (Refer to Vehicle Rule #2) PROPS MUST NOT BE PERMANENTLY ATTACHED TO THE CAR OR BODY. ALL CARS MUST BE ON THE FLOOR! Floor space is at a premium and will be limited! Trophies will be awarded to teams from each division in the following order:

BEST LOOKING RACE CAR  
SECOND PLACE  
THIRD PLACE

### PEOPLE'S CHOICE

The public will vote on their favorite cars during the display at the mall. Please do not raise your car off the ground and be considerate of others with your 'extra décor'. Décor should not prevent other cars from being viewed; you would not want your car covered and out of view.