

## NASA PROTRUCK TOUR 2005 Road Course Revision

I have read the Rulebook.

Drivers Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Keep copy of this Rulebook with vehicle log book. (NASA Preferably)

No pretense is made of having designed a fool proof set of rules and regulations. The spirit and intent of the rules is going to be standard by which ProTruck racing will be guided. Event officials are authorized to decide if any equipment change is an attempt to beat the rules. If there is a disagreement or dispute regarding the meaning or interpretation of the ProTruck rules, the track officials shall prevail.

**IF THIS RULE BOOK DOES NOT SPECIFICALLY SAY THAT YOU CAN DO SOMETHING, THEN YOU MUST CONSIDER THAT THE CHANGE IS ILLEGAL!**

Any questions about the legality of a change must be answered by a ProTruck official in writing and that decision is final. The trucks and engines are designed to remain in their original form, in which they were purchased new from SpecTruck, Inc. ProTruck reserves the right to impound any truck and remove any component from your truck at any time. Any illegal assembly or component shall become the property of ProTruck.

If an illegal component is found, the component or assembly will become the property of ProTruck and the driver may be fined accordingly. No fine will exceed \$5,000 dollars. If the driver refuses to surrender an illegal component or assembly, or to pay any fine, the driver (and possibly the truck owner) will be suspended from ProTruck competition indefinitely.

An assembly shall be considered a component that can be removed from a truck without disassembly, such as engine, transmission, and rear end.

Engine assembly includes:

- carburetor
- intake manifold
- oil pan
- distributor
- balancer
- pulleys
- water pump
- flex plate
- fuel pump

Parts NOT included are:

- plug wires
- spark plugs
- power steering pump
- air cleaner

**THE FOLLOWING ARE ITEMS WITH NO RESTRICTIONS:**

- a. Safety equipment (Must at minimum meet NASA GCR.)
- b. Brake cooling ducts (may only be below the top of the front bumper)
- c. Radio equipment
- d. Gauges (no data recording devices other than a memory tach)
- e. Spring rates (single spring only)
- f. Shock valving
- g. Steering box & pump  
(pittman arm must remain stock, pump & box must remain stock OEM type)
- h. Tie rod location may be shimmed for dump steer  
(spindle and steering arm must remain stock)
- i. Body mounting method (body must remain in stock location and configuration)
- j. Electrical wiring
- k. Rear end gear ratio 3:50
- l. Camber and caster (front only)
- m. Brake pads
- n. Brake balance bar adjuster
- o. Master cylinder type and size
- p. Seat mounting and safety harness must be NASA approved (see NASA GCR)
- q. Upper A-arm may be shimmed up to 1 inch off mounting surface  
(must remain stock length)
  
- r. Steering wheel

- s. Carburetor jetting
- t. Alternators may be added
- u. Water pump (OEM type only, no electric pumps allowed)
- v. Pulleys may be changed (but must use v-belts)
- w Driver cooling ducts must be added
- x. Any cooling fan may be used
- y. Heat insulating material may be added to headers and sheet metal
- aa. No air bleeders in wheel. No wheel spacers
- bb. Only Ultra or Circle ProTruck wheels allowed (15 x10)
- cc. Engine breathers (no vacuum systems)  
with recovery bottles as per NASA GCR.
- dd. Openings in grill may be cut to allow air flow to engine compartment.
- ee. Battery type - 12 volt with non-conductive cover on positive battery term.  
as per NASA GCR.
- ff. Spoiler angle (size must remain stock)
- gg. Swaybar link type (no chains allowed, must operate in both directions)
- hh. No frame height restriction

**If you want to make a change that is not on this list it will be considered illegal unless approved in writing by ProTruck.**

### **FRAMES**

All frames must be purchased from SpecTruck and must remain stock. Frames may be repaired, if damaged, so long as they remain within ProTruck specs. Specific specifications may be obtained from ProTruck in writing.

### **BUMPERS**

May be reinforced (must use stock attachments)

### **COOLANT**

Antifreeze coolant not allowed. All trucks must have coolant overflow tank - minimum capacity of 2 quarts. Water-wetter is allowed as per NASA GCR.

### **BODY**

Must remain in stock location and configuration, and carry a SpecTruck serial number on all body parts. Body must remain complete. A fuel access door may be installed, but must remain closed during operation.

### **ENGINE**

Engine assembly is to remain stock! Engine will be sealed by ProTruck or approved vendor. Any engine with a broken or tampered with seal will be subject to a complete inspection at owner's expense. In the event that an engine should need repair, it must be taken to an authorized ProTruck vendor, with seals intact, who is the only one allowed to repair and re-seal a damaged engine. Or a new engine may be purchased through an approved ProTruck vendor.

### **CARBURETOR**

Carburetor may not be modified in any way to flow more than 390cfm. Holley 390cfm 4 barrel, Model #4150HP is mandated.

### **TRANSMISSION**

Transmission assembly is to remain stock! 4-speed, Super T-10 or Jerico WC4. Ratios must be: T-10 2.64, 1.61, 1.23, 1.00. For WC4 2.60, 1.63, 1.23, 1.00 Assembly must not be lighter than 100 pounds with fluid in it. Output bushings may be replaced with bearings to accommodate alternator belt loads. Any style transmission drive may be used.

### **REAR END**

Rear end assembly is to remain stock! Rear end assembly includes hubs, axles, third member, housing, brakes, etc. Rear end assembly must not be lighter than 230 pounds. No rear camber! Rear camber must be  $\pm 1/5$  of a degree from vertical. Third member must use mini spools, or Detroit Locker only (no aluminum spools, etc.)

### **SHOCKS**

Shocks must be: Doetsch Tech - Series #740, or #940 Carrera - Series #6100, or AFCO - Series #1300

### **DRIVE SHAFT**

Must remain stock and painted white.

### **TIRES**

Must be Hoosier F45 or the current ProTruck approved tire. Tires may not be cut in any way. Tire/wheel assembly may not weigh less than 48 lbs.

### **NUMBERS**

Must be 18 inches tall (one number on each door, and must comply with NASA GCR) Must carry NASA stickers on all four sides as per NASA GCR.

### **FUEL**

The addition of any additives whatsoever to the fuel is illegal in ProTruck competition. (No fuel cooling devices.) An Oberg Anti Siphon Valve, part # 0828 must be installed in the fuel delivery line as close to the fuel tank as possible. The valve may not be modified in any way! A fuel sample device must be in place and accessible for technical inspection.

### **LICENSE**

All competitors will be required to conform to ProTruck and NASA licensing requirements to compete. If a driver is not deemed to be safe to other competitors by the event officials, he or she may be asked to start at the rear of the field or to withdraw from competition until the event officials feel he or she is not a safety threat to the other drivers.

### **WEIGHT**

Minimum weight: 2600 pounds (POST RACE) All weights will be with driver and safety equipment. Lead may be added to reach minimum weight requirement.

### **SPOILER**

Rear spoiler is reserved for ProTruck series sponsor. Spoiler angle open.

### **PRIZE MONEY**

Competitors must display all ProTruck sponsor decals in proper location to be eligible for any prize or contingency money.

### **PROTESTS**

A competitor may anonymously protest any specific component on another competitor's truck. All protests must be in writing and must be filed within 15 minutes after the conclusion of the main event. The competitor filing the protest will be required to pay a protest fee to ProTruck officials in cash at the time the protest is filed. The amount of the fee will be determined by ProTruck officials based on the specific item being protested. After the inspection, if the protest is valid, the competitor filing the protest will have the protest fee returned in full. If the protest is found invalid, the competitor filing the protest will forfeit the protest fee and the competitor being protested will be compensated by ProTruck officials.

### **FINAL RESULTS**

Results are final 30 minutes after race! If there are any questions regarding your finishing position, you must take this up with NASA officials directly following the race. Once the final results are posted and there are no discrepancies, those results will be final.