



# U.S. TIME TRIAL CHAMPIONSHIP

## 2012 CAR SPECIFICATIONS TT-U, TT-1, TT-2 & TT-3 CLASSES



*Race the nation.*

Revised 05/03/2012

The TT-U, TT-1, TT-2 & TT-3 classes allow cars with similar Power to Weight the opportunity to compete in the USTTC. These guidelines are intended to define the requirements for cars competing in the above classes.

Driver Name \_\_\_\_\_ Date \_\_\_\_\_

Vehicle Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Color \_\_\_\_\_

Minimum Vehicle Weight \_\_\_\_\_ Driver Weight \_\_\_\_\_ Maximum Wheel Horsepower \_\_\_\_\_ ECU Map \_\_\_\_\_

Tire Brand \_\_\_\_\_ Tire Model \_\_\_\_\_ Tire Size (Largest) \_\_\_\_\_

**1. CLASSIFICATION:** **Car + Driver Weight** \_\_\_\_\_ **(Divided by)** \_\_\_\_\_ **WHP = Class** \_\_\_\_\_

There are only two simple rules: In the spirit of GT sport cars the vehicle must be a 4-wheel, closed fender, door car and meet NARRA safety requirements. Safety is ultimately the responsibility of the driver.

TT-U = No minimum weight/Unlimited Horsepower

TT-1 = 6.25:1 or greater Weight/Wheel Horsepower

TT-2 = 7.50:1 or greater Weight/Wheel Horsepower

TT-3 = 8.75:1 or greater Weight/Wheel Horsepower

Example: Car Weight 3480 lbs.

divided by Wheel Horsepower 525

equals 6.63:1 and would fit TT-1

(Competitors are allowed to run in a faster class)

### **2. POINTS**

1<sup>ST</sup> Place = 300

2<sup>ND</sup> Place = 270

3<sup>RD</sup> Place = 250

4<sup>TH</sup> Place = 240

5<sup>TH</sup> Place = 235

6<sup>TH</sup> Place = 230

7<sup>TH</sup> Place = 225

8<sup>TH</sup> Place = 220

9<sup>TH</sup> Place = 215

10<sup>TH</sup> Place = 210

Additional positions will receive a 5 point reduction consecutively.

Example:

11<sup>TH</sup> Place = 205, 12<sup>TH</sup> Place = 200

The top 3 event weekends or 6 races plus the final race at Watkins Glen will make up the championship.

### **3. BONUS POINTS**

- Any team who visibly and respectfully displays a 3' x 5' country of citizenship and/or a NARRA flag on the transport trailer will receive 2.5 Bonus Points for each flag per race (5 points total).
- 5 Bonus Points (Each) will be given for using official NARRA sponsor equipment and displaying sponsor decals for the following sponsor(s). Sunoco Decal position outlined in 2012 NARRA Decal Bulletin.
- If a sponsor joins mid-season, full points will be rewarded retroactively to balance the integrity of the point system.
- 5 Bonus Points will be given for displaying (4) NARRA decals on the Front, Sides and Rear of the vehicle along with the appropriate USTT class designation next to your side numbers.
- 20 Bonus Points will be added for every race run after the 6 maximum. (Not including the Watkins Final)
- Decals will be available at registration and you are responsible for their application. Please make us aware of your compliance during tech inspection.
- Completing a lap in the first race of the season will earn 75 bonus points (applicable only at INDE).
- The season final race on Saturday will award double points (applicable only at Watkins Glen).

#### 4. WEIGHT

The cars competing weight must be recorded at tech. any number of cars may be weighed after qualifying or the race. Failure to go to impound will result in disqualification. If it is a qualifying session the driver will be gridded at the rear for the race. If it is a race session the driver will lose all points for that race. Cars can also be arbitrarily selected, as deemed necessary.

#### 5. TIRES

- a. Tires are open, however, to gain bonus points and contingency awards the contingency brand must be used in all timed sessions.
- b. If you run tires 275 and smaller, you may add 0.4 to the Weight/Wheel Horsepower ratio.
- c. The same tires must be used in qualifying and racing to earn points and contingency. Safety exceptions will be allowed at the discretion of the Chief Steward.

#### 6. HORSEPOWER

The cars competing horsepower must be recorded in Tech to earn points. A NARRA Dyno Affidavit must be provided as proof. All Dyno forms must be done at a commercial facility that offers Dyno testing as part of their business and signed by a representative of that commercial facility. Tests must be done on Dynojet Models 224 or 248, as this is the most popular standard. AWD cars will require other Dynamometers; Mustang dynos and other brands will have 10% added to the recorded rating. Competitors will be allowed only one race without a shop signed dyno affidavit. Not complying with this rule will result in a TT-U classification that will not be retroactive with a future affidavit. (TT-U cars are not required to have a Dyno).

#### 7. SAFETY

- a. **Tires:** All tires must meet the speed rating of the vehicle.
- b. **Headlights:** Are strongly suggested to run in the rain.
- c. **Brake lights:** and taillights are required.
- d. **Helmet:** Minimum standard is *SNELL SA 2005* Closed face.
- e. **Clothing:** Long Pants, Long Sleeve Shirt and Closed Toe Shoes (Nomex fire resistant clothing recommended) NARRA reserves the right to demand additional levels of safety when required.
- f. **Tow:** Strap or Eye is required on the front and rear of car.
- g. **Battery:** Must be securely mounted and the positive connection must be insulated from grounding.
- h. **Windshield:** Must be safety glass and mounted as delivered from the manufacturer or you may replace the windshield with one of identical size and curvature to the original glass, and must be made from Lexan MR-5 / MR-7 / MR-10 or FMR-102 (6mm minimum thickness). In the event the windshield is replace with any material other then the O.E. safety glass it must be strengthened with internal metal straps that are affixed to the top and bottom of the window frame. An aftermarket windshield must be retained by at least 2 - 3" by 1" by 1/8" clips bolted or riveted to the body at the top of the windshield and at least 2 - 3" by 1" by 1/8" clips bolted or riveted to the cowl and extending over the bottom of the windshield. These clips must be at least 12" apart. It's recommended that all cars incorporate support straps and retention clips.
- i. **Bulk Head:** Is required to keep fuel out of driver's compartment.
- j. **Racing Seats:** Are recommended.
- k. **Harnesses:** Must have a minimum of 5 point mounting that is properly mounted to the structure of the car and roll hoop cross bar. The harness shall consist of two minimum 2" lap belts, two minimum 3" shoulder belts, and one minimum 2" anti-submarine belt. All such systems must FIA or SFI certified and dated no more than 2 years old for SFI and 5 years for FIA.

- l. **Head Restraints:** Are recommended.
- m. **Video:** Is recommended.
- n. **Window Net:** Is recommended.
- o. **Fire Suppression:** A 5-pound fire bottle accessible by the driver and securely mounted is required. A 10-pound fire system is recommended.
- p. **Roll Bar:** Is required in convertibles and recommended in all cars.
- q. **Fuel Cell:** Is recommended.

**8. APPEARANCE**

- a. Numbers will be assigned by NARRA and must appear on the car in 2 places. Side number characters must be a minimum of 10” high and 6” wide and contrasting colors. Front and rear numbers are recommended.
- b. The car class shall be marked next to side numbers and must utilize characters at least 4” high and 2.5” wide. Also suggested on rear bumper
- c. Vehicles should be neat and clean.
- d. NARRA reserves the right to demand additional levels of safety when required.

**9. OTHER**

- a. The registered driver must drive all timed sessions. If a coach drives your car you must inform the Chief Steward **prior** to the session. Failure to inform the chief steward prior to the session will result in disqualification of all prior sessions.
- b. USTT class requires a NARRA Time Trial competition license. Other competition licensing may be accepted on a temporary basis.
- c. NARRA is not responsible for trophies not picked up at the awards ceremony.
- d. Random GPS data acquisition may be required to actively assure HP to Weight compliance. Test data must display similar lap times to previous runs or previous runs will be disqualified.
- e. A Protest may be filed by another entrant within 30 minutes of the session when accompanied with a \$250 deposit. The deposit will be returned if the accused car is not in compliance.
- f. Any driver found not complying with the rules may receive a fine, loss of contingency, probation, suspension, and/or point penalty that may be retroactive at the discretion of the Chief Steward. Amendments to these rules may be adopted at any time and will become effective at the next event.
- g. If your vehicle will not roll up on the scales without scraping, it is too low and will not pass tech.
- h. Rewards weight may be assessed at the discretion of the Chief Steward.
- i. One complete lap is required to earn points.
- j. The Chief Steward will investigate incidents involving crash damage. If fault is determined the driver at fault will get a points penalty and be responsible for damage to another vehicle. Total reimbursement is suggested, however, NARRA will require: 1<sup>st</sup> Incident \$2500      2<sup>nd</sup> Incident \$5000      3<sup>rd</sup> Incident \$7500  
Paid prior to the next event. This does not include track damage that will be the full responsibility of each driver at fault. Other penalties may apply.
- k. NARRA reserves the right to modify the rules as necessary to preserve a safe and fair environment.

**I have read, understand and agree to abide by NARRA written rules and regulations.**

**Driver Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Printed Name** \_\_\_\_\_

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