



NASA Time Trial (TT1, TT2, TT3) Car Classification Form 2014 (v 11.1--1-4-14)

Owner's Name _____ Date _____ Region _____

Car Number _____ Car Color _____ e-mail _____

List all Team Drivers--leave blank if the owner is the only driver and circle here: owner-driver

Vehicle: Year _____ Make _____ Model _____ Special Edition? _____

Multiple ECU Maps? Describe switching method: _____

AWD using Mustang or Dyno Dynamics Dyno---> max awhp _____ x 1.1 = _____ (enter below)

Min. Competition Wt. (w/driver) _____ lbs. Maximum Chassis Dyno hp _____ whp

Adjusted Weight/Power Ratio (use worksheet below to calculate) _____

Time Trial 1 (TT1) = "Adjusted Wt/Hp Ratio" equal to, or greater than **5.50:1**

Time Trial 2 (TT2) = "Adjusted Wt/Hp Ratio" equal to, or greater than **8.00:1**

Time Trial 3 (TT3) = "Adjusted Wt/Hp Ratio" equal to, or greater than **9.00:1**

Time Trial Competition Class TT _____

Calculation of Adjusted Weight/Power Ratio (worksheet):

Unadjusted Wt/Power Ratio = Minimum Comp. Weight divided by maximum Dyno hp = _____

If: Non-Production Vehicle: TT1 & TT2, subtract 0.4 = _____

TT3, subtract 0.7 = _____

If: Production Vehicle:

4-door Sedan or 5-door Wagon, add 0.2 = _____

Modification of the OEM roof line/shape, subtract 0.3 = _____

Modification of the floor pan for exhaust clearance only, and/or the rocker panel for side exit exhaust only, subtract 0.2 = _____

TT3 ONLY: Non-OEM Aero (see 7.3.2(D)), subtract 0.4 = _____

If: Rotary engine with a maximum of two rotors and turbocharger turbine, add 0.3 = _____

Naturally aspirated (non-rotary) engine with displacement 1.9L or less, add 0.3 = _____

Rear Engine Location ('99+ year only) w/Comp. Wt. less than 2700 lbs, subtract 0.2 = _____

Rear Engine Location ('99+ year only) w/Comp. Wt. 2700-2900 lbs, subtract 0.1 = _____
(Rear Engine = Behind rear axle and Production vehicle only—See Appendix A)

If: Dog-ring/straight-cut gears (non-synchromesh transmission), and/or sequential/paddle shift/semi-automatic, subtract 0.2 = _____
(no assessment for automatic transmission utilizing a torque converter)

If: AWD, subtract 0.3 = _____

FWD, add 1.0 = _____

If: Non-DOT approved tires, subtract 0.7 (GACTSCC Continentals see App. A) = _____

If: Tire size 10.5” (267mm) to 9.6” (244mm) if non-DOT approved, add 0.3 = _____

Tire size 9.5” (241mm) or smaller if non-DOT approved, add 0.7 = _____

Tire size 275 to 250 if DOT approved, add 0.3 (BFG R1/R1S 275 excluded—See App. A) = _____

Tire size 245 or smaller if DOT approved, add 0.7 (BFG R1/R1S 245 exception--App. A) = _____

If: The Minimum Competition Weight is less than 3000 lbs, find the weight on the table below, and SUBTRACT the number listed from the Wt/Power Ratio = _____

2999-2600 lbs	0.1	1799 lbs or less	2.0
2599-2200 lbs	0.2		
2199-1800 lbs	0.3		

The following vehicles will not use the above table if the vehicle Competition Weight is less than 1800 lbs. Subtract 0.3 for the following:

Allison Legacy, Baby Grand, Bauer Catfish, Brunton Stalker, Caterham 7, Exomotive Exocet, Legends, Lotus 7, Pro Challenge, Thunder Roadster, Westfield Super 7

If: The Minimum Competition Weight is greater than 3300 lbs, find the weight on the table below, and ADD the number listed from the Wt/Power Ratio = _____

3301-3400 lbs	+0.1	3601-3700 lbs	+0.4
3401-3500 lbs	+0.2	3701-3800 lbs	+0.5
3501-3600 lbs	+0.3	3801 lbs or greater	+0.6

Note: All vehicle weights will be measured to the tenth of a pound (xxxx.x), then rounded off to the nearest pound for all calculations. Any weight ending in “.5” (xxxx.5x) will be rounded up or down to the benefit of the competitor.

If: The vehicle is listed in Section 7.5 or Appendix A, use the Modification Factor listed to finish the calculation here. Otherwise, enter the calculated “Adjusted Weight/Power Ratio” in the top section of this Form and enter your competition Time Trial Class. _____

7.5 Non-Production Vehicles Approved for “Production” Vehicle Status

The following vehicles are approved to use “Production” vehicle status in TT1, TT2, TT3, **provided that the frame/chassis, body/aero remain in the original manufactured configuration** as specified by the manufacturer. Both the “Non-Production Vehicle” Modification Factor and the “Production Vehicle Body Type” Modification Factors will not be assessed, but the vehicle specific Modification Factor listed below for each model will apply:

- Porsche 996 GT3 Cup & 997 GT3 Cup = -0.0 (TT1 & TT2), and = -0.4 (TT3)(may have additional Aero/Body mods)
- Allison Legacy = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Baby Grand = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Backdraft Cobra RT3 (TD, hardtop, or any aero mods) = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Brunton Stalker (no aero) = -0.2 (TT1 & TT2), and = -0.4 (TT3)
- Caterham 7, Lotus 7, Westfield Super 7 (no aero) = -0.2 (TT1 & TT2), and = -0.4 (TT3)
- Exomotive Exocet (no aero/wing/splitter) = -0.2 (TT1 & TT2), and = -0.4 (TT3)
- Ferrari 430, 458 Challenge = -0.2 (TT1 & TT2) (may have additional Aero/Body mods)
- Factory Five Roadster (if any aero mods, wing, or splitter) = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Factory Five Type 65 Coupe = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Lotus 2-Eleven = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Panoz GT3 & GTWC = -0.2 (TT1 & TT2), and = -0.5 (TT3) (may have additional Aero mods)
- Panoz GTS = -0.3 (TT1 & TT2), and = -0.6 (TT3) (may have additional Aero mods)
- Porsche 991 GT3 Cup = -0.2 (TT1 & TT2) (may have additional Aero mods)
- Pro Challenge = -0.2 (TT1 & TT2), and = -0.5 (TT3)
- Thunder Roadster (08+ aero body/wing type) = -0.2 (TT1 & TT2), and = -0.4 (TT3) (may have additional Aero mods including wing removal)

Note: Future “Production” status approved vehicles and any associated Modification Factor will be posted on the www.nasaforums.com website in the Time Trial section.

1) The size 275 BFG R1 and R1S tires will not be assessed a Modification Factor for tire size (I.E. not the listed +0.3) when calculating the “Adjusted Wt/HP Ratio”.
2) The size 245 BFG R1 and R1S tires will be assessed a Modification Factor of +0.3 for tire size (I.E. not the listed +0.7) when calculating the “Adjusted Wt/HP Ratio”.