



NASA Time Trial (TT1, TT2, TT3) Car Classification Form 2016 (v13.1--12-7-15)

Owner's Name \_\_\_\_\_ Date \_\_\_\_\_ Car Number \_\_\_\_\_

Region \_\_\_\_\_ e-mail \_\_\_\_\_ Car Color \_\_\_\_\_

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 (Avg HP for TT3) Dyno HP \_\_\_\_\_ whp (Round to nearest whole number)

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 10.00:1

Time Trial Competition Class TT \_\_\_\_\_

Calculation of Adjusted Weight/Power Ratio (worksheet):

Unadjusted Wt/Power Ratio = Min. Comp. Wt. divided by Max. (Avg HP for TT3) Dyno hp = \_\_\_\_\_

If: Non-Production Vehicle: subtract 0.4 = \_\_\_\_\_

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: OEM Aero (see 7.3.2.D), add 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: TT1 & TT2 ONLY: 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: TT3 ONLY: OEM street-legal model available paddle shift/DCT/SMG or sequential motorcycle gearbox, subtract 0.2 = \_\_\_\_\_  
 (no assessment for automatic transmission utilizing a torque converter)

If: TT3 ONLY: 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 0.5 (CSTC EC-Dry 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 = \_\_\_\_\_

Tire size 245 or smaller if DOT approved, add 0.7 = \_\_\_\_\_

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, Ariel Spec Atom (no aero), Baby Grand, Bauer L.P. Catfish, Brunton Stalker, Caterham 7, Exomotive Exocet, Legends, Lotus 7, MNR VortX RT, MNR GM 3, Pro Challenge, Thunder Roadster, Westfield Super 7

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

3300-3399 lbs	+0.1	3600-3699 lbs	+0.4
3400-3499 lbs	+0.2	3700-3799 lbs	+0.5
3500-3599 lbs	+0.3	3800 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 Super Touring 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. The "Non-Production Vehicle" Modification Factor and the "Production Vehicle Body Type" Modification Factors do not apply.

- Allison Legacy = -0.2 (no additional aero)
- Baby Grand = -0.2 (no additional aero)
- Backdraft Cobra RT3 (no TD body/no aero, no hardtop, FF Challenge air dam ok) = -0.0
- Backdraft Cobra RT3 (TD, hardtop, or any aero mods) = -0.2
- Brunton Stalker (no aero) = -0.2
- Caterham 7, Lotus 7, Westfield Super 7 (no aero) = -0.2
- Dodge SRT10 Viper ACR-X and Viper Competition Coupe = -0.0
- Exomotive Exocet (no aero/wing/splitter) = -0.2
- Ferrari 348, 355, and 360 Challenge Series = -0.1 (TT1 & TT2) (may have additional aero)
- Ferrari 430, 458 Challenge = -0.2 (TT1 & TT2) (may have additional Aero/Body mods)
- Factory Five Roadster (no aero, no hardtop, FF Challenge air dam ok) = -0.0

- Factory Five Roadster (if any aero mods, wing, or splitter) = -0.2
- Factory Five Type 65 Coupe = -0.2 (no additional aero)
- Lotus 2-Eleven = -0.2 (no additional aero)
- MNR VortX RT (no aero) = -0.2
- Panoz GTRA & GTWC = -0.2 (may have additional Aero mods)
- Panoz GTS = -0.3 (may have additional Aero mods)
- Porsche 991 GT3 Cup = -0.2 (TT1 & TT2) (may have additional Aero mods)
- Porsche 996 GT3 Cup & 997 GT3 Cup = -0.0 (TT1 & TT2), and = -0.2 (TT3)(aero OK)
- Pro Challenge = -0.2 (no additional aero)
- Thunder Roadster pre '08 body/no wing type = -0.0 (no aero)
- Thunder Roadster ('08+ aero body/wing type) = -0.2 (may have additional Aero mods)