



NASA Super Touring (ST1-ST4) & Time Trial (TT1-TT4) Car Classification Form 2017 (v11.5/14.1—12-27-16)

Driver or Team Name _____ Date _____ Car Number _____
 Region _____ e-mail _____ Car Color _____

If a team, list driver's names (two maximum per team):

Vehicle: Year _____ Make Elan Model NP01 Special Edition? No

Multiple ECU Maps? Describe switching method: N/A

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

Min. Competition Wt. (w/driver) 1792 lbs. Average Dyno Horsepower (Avg HP) 160 whp
(Round both weight and Avg HP to the nearest whole number) (See ST/TT Rules Sections 8.2/9.2 for Avg HP calculation)

Adjusted Weight/Power Ratio (use worksheet below to calculate) 8.0

Super Touring 1 & Time Trial 1 (ST1 & TT1) = "Adjusted Wt/HP Ratio" equal to, or greater than **6.00:1**

Super Touring 2 & Time Trial 2 (ST2 & TT2) = "Adjusted Wt/HP Ratio" equal to, or greater than 8.00:1

Super Touring 3 & Time Trial 3 (ST3 & TT3) = "Adjusted Wt/HP Ratio" equal to, or greater than **10.00:1**

Super Touring 4 & Time Trial 4 (ST4 & TT4) = "Adjusted Wt/HP Ratio" equal to, or greater than **12.00:1**

Super Touring/Time Trial Competition Class: ST/TT 2

Calculation of Adjusted Weight/Power Ratio (worksheet):

Unadjusted Wt/HP Ratio = Minimum Competition Weight divided by Avg HP = $1792/160 = 11.2$

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 = 10.9

| | | |
|-------------------------|--------------|--|
| 2999-2600 lbs | = 0.1 | |
| 2599-2200 lbs | = 0.2 | |
| 2199 lbs or less | = 0.3 | |

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

| | | | |
|---------------|--------|---------------------|--------|
| 3301-3400 lbs | = +0.1 | 3601-3750 lbs | = +0.4 |
| 3401-3500 lbs | = +0.2 | 3751-3900 lbs | = +0.5 |
| 3501-3600 lbs | = +0.3 | 3901 lbs or greater | = +0.6 |

If: **Tire size 245 or smaller (DOT approved), add 0.7 =** 11.6

Tire size 275 to 250 (DOT approved), **add** 0.3 = _____

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

Tire size 10.5" (267mm) to 9.6" (244mm) (non-DOT approved), **add** 0.3 = _____

- If: Non-DOT approved tires (ST1/TT1, ST2/TT2, ST3/TT3 only), subtract 0.5 = _____
- ST4/TT4 Only: DOT-approved R-compound Autocross tires, subtract 1.0 = _____
(Examples: A6, A7, R1S, RS AC, Z214-C90/91)
- If: Sports racer, “Prototype”, monococoque race car (ST1/TT1 only), subtract 2.2 = 8.2 _____
- Sports racer, “Prototype”, monococoque race car (ST2/TT2 only), subtract 3.4 = _____
- Other Non-Production Vehicle (ST1/TT1, ST2/TT2, ST3/TT3 only), subtract 0.4 = _____
- OEM Body Type 4-door Sedan or 5-door Wagon, add 0.2 = _____
(Must be originally manufactured as a Production vehicle)
- If: Production Vehicle and:
Modification of the OEM roof line/shape, and/or windshield/frame removal, 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 = _____
- ST3/TT3 or ST4/TT4 Only: OEM Aero (see 7.3.2.D), add 0.4 = _____
- If: ST1/TT1 or ST2/TT2, with Dog-ring/straight-cut gears (non-synchromesh), and/or sequential/paddle shift/semi-automatic transmission, subtract 0.2 = 8.0 _____
- ST3/TT3 or ST4/TT4, with OEM street-legal model available paddle shift/DCT/SMG,
or sequential motorcycle gearbox, subtract 0.3 = _____
- ST3/TT3, with Dog-ring/straight-cut gears (non-synchromesh), subtract 0.6 = _____
- ST3/TT3, with all other sequential/semi-automatic transmission, subtract 1.0 = _____
- ST4/TT4, with Dog-ring/straight-cut gears (non-synchromesh), and/or
sequential/semi-automatic transmission, subtract 1.0 = _____
(*All classes—no assessment for automatic utilizing torque converter*)
- If: ST1/TT1, ST2/TT2, or ST3/TT3, with AWD drivetrain, subtract 0.3 = _____
- ST1/TT1, ST2/TT2, or ST3/TT3, with FWD drivetrain, add 1.0 = _____
- ST4/TT4, with AWD drivetrain, subtract 0.5 = _____
- ST4/TT4, with FWD drivetrain, add 0.6 = _____
- 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 ST/TT Class. _____ 8.0 _____

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

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

- Allison Legacy = -0.2 (no additional aero) (ST4 approved)
- Baby Grand = -0.2 (no additional aero) (ST4 approved)
- Backdraft Cobra RT3 (TD, hardtop, or any aero mods) = -0.2
- Brunton Stalker (no aero) = -0.2
- Caterham 7, Lotus 7, Wesfield Super 7 (no aero) = -0.2
- Exomotive Exocet (no aero/wing/splitter) = -0.2
- Ferrari 430, 458 Challenge = -0.2 (ST1 & ST2) (may have additional aero mods)
- 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 Vortex RT (no aero) = -0.2
- Panoz GTRA = -0.2 (may have additional aero mods) (ST4 approved)
- Panoz GTS = -0.3 (may have additional aero mods)
- Panoz GTWC = -0.2 (may have additional aero mods)
- Porsche 991 GT3 Cup = -0.2 (ST1 & ST2) (may have additional aero mods)
- Porsche 996 GT3 Cup & 997 GT3 Cup = -0.2 (ST3) (may have additional Aero mods)
- Pro Challenge = -0.2 (no additional aero) (ST4 approved)
- RSR (Renault Sport Racer) = -0.6 (ST3 & 4 approved with this Modification Factor only)
- Spec Racer Ford (1st & 2nd Gen.) = -0.6 (ST3 & 4 approved with this Modification Factor only)
- Spec Racer Ford (3rd Gen.) = -1.0 (ST3 approved with this Modification Factor only)
- Thunder Roadster (*08+ aero body/wing type) = -0.2 (may have additional aero mods including wing removal) (if N/A 1.6L motor or less, ST3 approved w/ -0.0 Mod Factor)