



NASA Super Touring (ST1 & ST2) Car Classification Form—2012 (v6.2--2-29-12)

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) _____

Super Touring 1 (ST1) = "Adjusted" Wt/Hp Ratio equal to, or greater than, 5.50:1

Super Touring 2 (ST2) = "Adjusted" Wt/Hp Ratio equal to, or greater than, 8.70:1

Super Touring Competition Class ST _____

Calculation of Adjusted Weight/Power Ratio (worksheet):

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

If: 4-door Sedan or 5-door Wagon, add 0.4 = _____

Modification of the OEM roof line/shape, subtract 0.4 = _____

Modification of the floor pan for exhaust clearance only, subtract 0.4 = _____

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 0.5 = _____

FWD, add 1.0 = _____

If: Non-DOT approved tires, subtract 0.75 (VRL Hoosiers & GA Continentals see App. A) = _____

If: Tire size 10.5" (267mm) to 9.6" (244mm) if non-DOT approved, add 0.4 = _____

Tire size 9.5" (241mm) or smaller if non-DOT approved, add 0.8 = _____

Tire size 275 to 250 if DOT approved, add 0.4 = _____

Tire size 245 or smaller if DOT approved, add 0.8 = _____

If the Minimum Competition Weight is greater than 3299 lbs, find the weight on the table below, and ADD the number listed to the Wt/Power Ratio = _____

3300-3349 lbs +0.05	3550-3599 lbs +0.35	3800-3849 lbs +0.65	4050-4099 lbs +0.9
3350-3399 lbs +0.1	3600-3649 lbs +0.4	3850-3899 lbs +0.7	4100-4149 lbs +0.95
3400-3449 lbs +0.15	3650-3699 lbs +0.45	3900-3949 lbs +0.75	>4149 lbs +1.0
3450-3499 lbs +0.2	3700-3749 lbs +0.55	3950-3999 lbs +0.8	
3500-3549 lbs +0.3	3750-3799 lbs +0.6	4000-4049 lbs +0.85	

If the Minimum Competition Weight is less than 3151 lbs, find the weight on the table below, and SUBTRACT the number listed from the Wt/Power Ratio = _____

3150-3051 lbs 0.05	2650-2551 lbs 0.3	2150-2051 lbs 0.55	1650-1551 lbs 0.8
3050-2951 lbs 0.1	2550-2451 lbs 0.35	2050-1951 lbs 0.6	1550-1451 lbs 0.85
2950-2851 lbs 0.15	2450-2351 lbs 0.4	1950-1851 lbs 0.65	< 1451 lbs 0.9
2850-2751 lbs 0.2	2350-2251 lbs 0.45	1850-1751 lbs 0.7	
2750-2651 lbs 0.25	2250-2151 lbs 0.5	1750-1651 lbs 0.75	

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 you have a vehicle listed in Section 8 or Appendix A (listed below as of 2-29-12, with all subsequent approvals listed on the website), you must use the Modification Factor listed with the vehicle to finish the calculation. Otherwise, enter the calculated Adjusted Weight/Power Ratio in the top section of this Form and enter your competition Super Touring Class. _____

8 ST Approved Non-Production & Tube-Frame Vehicles

The following vehicles are approved for Super Touring based on their “Adjusted” Wt/Hp Ratio, with the listed Modification Factors:

- Backdraft Cobra RT3 (TD body style (aero), hardtop, or if any aero mods, wing, or splitter -0.4 Modification Factor)
- Note: no Modification Factor for FF Challenge “standard front air dam”--See ST Rules Appendix A)
- Brunton Stalker (If aero mods, wing, or splitter, then -0.75 Modification Factor)
- Brunton Stalker (If no aero mods, wing, or splitter, +0.75 Modification Factor)
- Caterham & Lotus 7 (if aero mods, wing, or splitter, then -0.75 Modification Factor)
- Caterham & Lotus 7 (if no aero mods, wing, or splitter, then +0.75 Modification Factor)
- Dodge Viper Competition Coupe (-0.2 Modification Factor)
- Ferrari 348, 355, and 360 Challenge Series (no Modification Factor)
- Ferrari 430 Challenge (-0.2 Modification Factor)
- Factory Five Roadster (if aero mods, wing, or splitter -0.4 Modification Factor. Note: no Modification Factor for FF Challenge “standard front air dam”—See Appendix A)
- Factory Five Type 65 Coupe (-0.4 Modification Factor)
- Lotus 2-Eleven (no Modification Factor)
- Porsche 997 & 996 GT3 Cup (-0.4 Modification Factor)
- Rossion Q1 (-0.2 Modification Factor)

Note: It is anticipated that the remaining tube-frame vehicles on this list will be deleted in the 2013 ST Rules, leaving the tube-frame vehicles to compete in STR and SU.

Note: Future approved vehicles will be posted on the www.nasaforums.com website in the Super Touring section.

Appendix A Modification Factors:

3) Vehicles with OEM wood floors may have the wood removed and substitute metal flooring in the same location as the OEM wood floors with an additional Modification Factor of -0.2. It is not permitted to raise or lower the floor from the OEM height compared to the rest of the body/chassis. If the wood flooring is left intact, metal plating may be placed over the wood, inside the cockpit, without an additional Modification Factor.

Ford Mustang and BMW E-36 M3:

"Upper subframe connectors" that penetrate and modify the floorpan will be assessed a -0.2 Modification Factor (seen commonly in American Iron Mustangs).