

17. GT Challenge

17.1. Description

The GT Challenge races are designed to allow a wide variety of cars to participate in the same race. The performance capabilities of cars entered in these races can vary greatly. As a result cars will be divided into classes based on horsepower to weight ratio. All cars must be “closed wheel” and “race prepared” including full roll cages, fire suppression system and proper drivers harness. Please refer to the SCCA GCR for rules governing car preparation.

17.2. Classes Structure

Cars will be divided into 5 classes based on several performance factors.

The first of these factors will be the horsepower to weight ratio. **A dynamometer print out measuring wheel horsepower must be provided before a car is eligible to compete.** This dyno test must be performed on a Dyno-Jet dyno or one of the approved Autobahn shops. All approved Autobahn shops shall receive an adjustment factor based on previous tests to match Dyno Jet- dyno results as shown in the following chart.

<u>Approved Shop</u>	<u>multiply results by</u>
Black Dog Speed Shop	1.0
Fall-Line Motorsports	1.03
Eurosport Racing	1.0
Havoc Motorsports	1.0
All Flywheel dyno results should be multiplied by	0.9

The horsepower to weight (including driver) ratio shall be the baseline for determining your class. **NOTE-** if torque exceeds horsepower then the average of horsepower and torque will be used in power to weight calculations. Once this Baseline Ratio is calculated the following factors will be used to adjust the baseline number to determine the Final Ratio.

Absence of Aerodynamic devices -includes all wings, ground effects or other aero aids with the exception of spoilers	-0.5
Dog type transmission	+0.25
Sequential transmission	+0.5
PDK type transmission	+0.25
Mid Engine	+0.25
Solid (live) axle	-0.25
DOT tires	-0.5

All competitors must complete a GT Challenge Car Information Form. This form can be found at www.autobahnmembers.com under Member Racing. If you would like assistance completing this form please contact Tony Kester tonykester@autobahncc.com

Classes will be divided as indicated below using the vehicles Final Ratio number.

GT5 6.0:1-6.99:1
GT4 7.0:1-8.49:1
GT3 8.5:1-9.5:1
GT2 9.5:1-13.49:1
GT1 13.5:1-
GTU Unlimited

All Porsche GT3 Cup cars will be considered GT5 class.

Class structure may be examined from time to time with adjustments made as needed. Series Officials reserve the right to change the classification of a car if unique circumstances warrant it.

17.3. Technical Inspections

All GT Challenge race cars may be subject to technical inspections prior to or after any official qualifying or race session to ensure compliance with each submitted GT Challenge Car Information Form. Any driver required to report to the technical inspection area must do so immediately, this may include podium finishers as well as competitors picked randomly. Absolutely no changes may be made the car from the configuration used during the session. An additional fee of \$25 will be added to each competitor's entry fee to cover the additional costs of post-race inspections which may include a dyno test. On board switches that allow a change to engine mapping will be monitored closely. The Technical Inspector shall have the right to examine any on board data acquisition to help determine performance parameters used on track.

The Race Director reserves the right to use any reasonable means at his disposal to ensure equitable class structure.

17.4. Rewards Weights

In an effort to provide a more enjoyable experience for a wider range of competitors "rewards weights" will be used. Weight will be added or subtracted to the vehicles declared weight dependent upon finishing position in class after each race. These Rewards Weights will be adjusted as follows.

1 st place	must add 50 lbs. to minimum weight required for class
2 nd place	must add 25 lbs. to minimum weight required for class
3 rd place	no change
4 th place	may deduct 25 lbs. from minimum weight required for class
5 th place and lower	may deduct 50 lbs. from minimum weight required for class

Weights will be adjusted after each race with additions or subtractions based on the required weight from the previous weight. Example – A competitor who finishes 1st in class will be required to add an additional 50 lbs. to his weight declared in the GT Challenge Car Information form for the next race competed. In the next race if they finish 1st again another 50 lbs. would be required on top of the original 50 for a total of 100 lbs. added

from the declared weight. If that competitor were to then finish 4th at the following race 25 lbs. would be allowed to be subtracted from the previous requirement resulting in that competitor being required to be 75 lbs. above the declared weight.

If only 2 cars in a class have competed in a race the 1st place finisher in that class will be assessed 2nd place rewards points and the 2nd place finisher will be assessed 3rd place points. If there is only one car in a class no rewards weights will be assessed.

Rewards Weights shall be added or subtracted to a total of no more than 150 lbs. in either direction of a drivers declared weight.