

Car \_\_\_\_\_ Owner \_\_\_\_\_

Actual Displacement \_\_\_\_\_ cc GVW \_\_\_\_\_ lb (door tag) # Seats \_\_\_\_\_

# NEHA 2005 Unprepared & Street Prepared Classification Worksheet

<b>ADJUSTMENTS FROM NORM</b>		
Norm = 2 valves + 1 injector per cylinder, normally aspirated, in-line configuration (rotary displacement is doubled prior to applying factors). The Adjustment is the Factor in decimal form. Example +40% becomes +0.4		
<b>Multiply your actual displacement (cc) by each factor and enter at right</b>	<b>Factor</b>	<b>Adjustment</b>
Variable valve timing	+ 25%	
Four-wheel drive	+ 25%	
Wheel size (diameter and width)	+ 1% per 0.5"	
Tire treadwear rating (50–150 for U; < 100 for SP)	+ 8%	
Non-stock anti-roll bars (SP only)	+ 5%	
Non-stock springs (SP only)	+ 5%	
Modified suspension (SP only) (other than shocks, alignment and bolt-on reinforcement)	+ 5%	
6-point roll cage (for U)	– 5%	
6-point roll cage (for SP) (Required as of 2002 season)	– 20%	
Intact interior (SP only w/full cage)	– 5%	
Excessive lightening (SP only)	+ 10%	
More than 2 valves per cylinder (stratified charge valves not included)	+ 10% each	
More than 1 camshaft per bank of cylinders	+ 5%	
V-type engine configuration	+ 10%	
1 venturi or injector per 4 or more cylinders	– 20%	
1 venturi or injector per 2 cylinders	– 10%	
Non-stock exhaust manifold (SP only)	+ 10%	
Non-stock induction (SP only)	+ 10%	
Supercharger or turbocharger	+ 30%	
Intercooler	+ 25%	
Excessive sound (over 96 dB)	+ 15%	
Nitrous oxide ( <i>mandatory fire system</i> ) (SP only)	Up 1 class	
<b>Total Adjustments</b>		
<b>Displacement Adjustments (cc)</b> (Multiply Total Adjustments by Displacement)		
<b>Adjusted Displacement (cc)</b> (Add Displacement Adjustments to Actual Displacement)		
<b>Curb Weight (lb)</b> (GVW – 175 lb per seat = Curb Weight)		
<b>Factor (cc/lb)</b> (Adjusted Displacement (cc) divided by Curb Weight)		

**Factors for Unprepared**

- U 1 1.550 and above cc/lb
- U 2 Less than 1.550 cc/lb
- U 3 Less than 1.000 cc/lb
- U 4 Less than 0.840 cc/lb

*No kit cars and no engine swaps*

**Factors for Street Prepared**

- SP 1 1.500 and above cc/lb
- SP 2 Less than 1.500 cc/lb
- SP 3 Less than 1.060 cc/lb
- SP 4 Less than 0.900 cc/lb

*Kit cars and engine swaps will be classed where deemed most competitive*

<b>Your Class</b>
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