



Autocross Rules

The purpose of the Motorsports Northeast Autocross is to challenge and improve driving skills in a safe, controlled environment. Nothing needs to be changed or added to your vehicle, but the vehicle must pass a safety inspection and there are common-sense safety procedures which must be followed. It is each driver's responsibility to read and observe the following rules. This document should be read in conjunction with the Autocross Manual found on our website.

AUTOCROSS TIME SCHEDULE GUIDELINES

- On site Registration - 8:00 am to 8:45 am
- Vehicle Safety Inspection - 8:00 am to 9:00 am
- Course walk through - 8:00 am to 8:45 am
- Drivers Meeting - 9:05 am to 9:15 am
- Running Group One slow speed (15mph max.) drive-through - 9:15 am to 9:30 am
- Report for work assignments - 9:35 am
- First car off - 9:45am

GENERALS

- Speed limit of 5 mph in the pits. The pit area is not for warming up tires, or other high-speed activities. Failure to slow down after the finish line in the allotted space is also a violation. If you are not compliant with these regulations, there will be serious repercussions. First offense, your fastest run will be eliminated. Second offense, you will be asked to leave the event, and no times will count towards the event. Third offense, you will be banned from future *Motorsports NE events*.
- Each driver must wear an "M" or "SA" rated helmet carrying a 1995 or later Snell Memorial Foundation approval sticker. For those purchasing a new helmet, a 2005 "SA" rated helmet is strongly recommended (Snell 2000 helmets may be all that are available until Snell 2005 are distributed by the manufacturers for purchase), but an "M" rated helmet is acceptable. If you don't have a helmet, the Club has a limited number of loaner ones that could be used.
- Everyone must have his or her driver windows down at all time. If there is an instructor in the car both windows must be down at all time.
- All sunroofs should be either removed or fully closed.
- All *Motorsports NE* Autocross events are FULLY MUFFLED EVENTS. A car having a noisy exhaust system will be prevented from participating. Autocross sites are becoming increasingly scarce, with one of the main problems being excessive noise.
- Metal-to-metal seat belts, securely anchored are required.
- Sneakers, tennis shoes or other rubber-soled shoes are recommended. High-heels, sandals and the like will not be allowed.
- Roll Bars are recommended but not required for all open cars.
- Vehicles with Nitrous Oxide kits are not allowed to participate. The bottle must be removed before coming to the Safety Inspection.
- All cars must pass an on-site safety inspection. All loose articles within the vehicle (including floor mats) must be removed prior to the safety inspection. Children's seats must be removed prior coming to the Safety Inspection. Having the car inspected is the responsibility of the driver. A car that has not been inspected will not be allowed to compete. Late inspections are at the convenience / discretion of the Tech Inspectors. They do not have to inspect your car beyond the published allotted Safety Inspection time windows.
- Cars / drivers not following the *Motorsports Northeast* Rules could be subject to protest by any participant. If a Protest is upheld, it may result in disqualification from the event, reclassification or other changes as determined by the *Motorsports NE* Rules Committee and Event Chairperson.
- A driver may only enter one (1) car in an event.
- A maximum of two (2) drivers are allowed per car and drivers must run in different run groups.

- All Novices (Rookies that have participated in under 5 Autocrosses) will be marked with the letter "N" for 'Novice' on the car's windshield so that a *Motorsports NE* instructor will recognize those needing instruction for the first 2 runs of the day.
- No passengers are allowed on any timed runs, except for pre-approved *Motorsports Northeast* Instructors.
- Should "fun" runs be provided at the end of the event, it is restricted for cars that have been registered and having passed the Safety Inspection can participate. A passenger is allowed on the "fun run" but they have to sign the waiver and wear a helmet.
- Working at a flagging station, or other workstation assigned is MANDATORY for all drivers. Failure to obey this requirement could impact, at the discretion of the Event Chairperson, to forfeit points, times and/or future participation. WE MUST ALL WORK TO PLAY!!! First offense participant's times do not count. Second offense participant sits out one event and pays fine of \$20 for the next time they show up. Third offense you will be asked not to participate for the rest of the season.
- Re-runs are to be completed during the same session. You may cut in line and allow at least 10 cars to precede you during the current sessions. If you have more than one re-run for the session, complete one, and go to the end of the line of cars taking re-runs and take the next one but ensuring the proper spacing between runs of 10 cars.
- Instructor Runs are to be clearly notified and pre-cleared with Timing, and do not count toward event points.
- Car numbers will be assigned on a yearly basis only.
- NO ALCOHOLIC BEVERAGES OF ANY TYPE MAY BE CONSUMED BY ANY PERSON DURING THE DRIVING EVENT. THE USE OF ANY ILLEGAL OR REFLEX AFFECTING DRUGS IS STRICTLY PROHIBITED.

CAR CLASSIFICATION

- The Club's philosophy is to classify cars with approximately the same capabilities in each Class. Not only horsepower-to-weight factors in but also handling, drivetrain configuration and performance.
- Classes A through G, S, and U are for DOT legal tires only.
- Any items, which are not listed/covered by the Modification Points/Free Modification Lists, should be brought to the attention of the *Motorsports NE* Rules Committee or Tech Inspectors.
- The *Motorsports NE* Rules Committee reserves the right to update/change with rules, classifications as issues arise.

2007 AUTOCROSS VEHICLE & TIME TRIAL CLASSIFICATION SCHEDULE		
MAKE	MODEL	HP TO WEIGHT RATIO
CLASS A		For Reference Only
Aston Martin	DB7 & DB7 GT	420/3828=0.109
	Vanquish	460/4045=0.113
	DB9	444/4039=0.109
	Vantage V8	350/3070=0.114
Audi	RS4	420/3837=0.109
BMW	Z8	400/3494=0.114
	Z4 M Coupe & M Roadster	330/3197=0.103
	M5 '05 & up	500/4012=0.124
	M6 '06 & up	500/3769=0.132
	Z3 M Coupe & M Roadster (E46 315hp)	315/3131=0.100
Cadillac	XLR-v	443/3804=0.116
Callaway	Corvette & Camaro	404/3308=0.133
Caterham	Super 7's	200/1123=0.178
Chevrolet	Corvette Z06 C6	505/3132=0.161
	Corvette Z06 C5	405/3115=0.130
	Corvette C6 '05 & up	400/3179=0.125
Dodge	Viper RT10 & GTS Coupe	450/3380=0.133
	Viper '05 & up	500/3385=0.148
Ford	Mustang Cobra R '00	385/3590=0.107
	GT	550/3485=0.158
	Shebly GT500	500/4040=0.124
Ferrari	F355, F360, F550 & F456	400/3064=0.130
	Testarossa & 575M	508/4044=0.125
	F40, F430, F50 & Enzo	483/3197=0.151
	612, Superamerica	540/3250=0.166
Lamborghini	Marcielago	580/3637=0.159
	Diablo	522/3583=0.145
	Gallardo	492/3245=0.151
	Countach	455/3188=0.142
Lotus	Exige	190/2014=0.094
	Exige S	220/2077=0.106
	Elise '05 & up	190/1984=0.096
	Esprit V8TT	350/3043=0.115
Mercedes	SL 5.5L TT (AMG or 5.4L S/C)	476/4012=0.118
	SLR McLaren & SLR 722	650/3890=0.167
	CL 65AMG	604/4100=0.147
	CL, CLK, SL & SLK (493 hp models)	493/4473=0.110
Mosler	MT900S	435/2144=0.202

CLASS A (continued)		For Reference Only
Panoz	Esperante GTLM	420/3461=0.121
Porsche	911TT - (993, 996 & 997 models)	415/3388=0.122
	997 S & Club coupe '05 & up	355/3131=0.113
	Boxster S '05 & up	280/2965=0.094
	Cayman S	295/2954=0.100
	GT2	476/3153=0.151
	GT3	380/3043=0.125
Saleen	Carrera GT	603/3042=0.198
	S7	550/2870=0.191
Shelby	Series 1 S/C	450/2950=0.152
	AC Cobra & Replicas	520/2500=0.208
TVR	Griffith 500	340/2337=0.145
Ultima	Ultima GTR	400/2310=0.173

CLASS B		For Reference Only
Audi	RS6	444/4057=0.109
BMW	M3 (E46)	333/3458=0.096
	M5 (E39)	400/3992=0.100
Cadillac	CTS-V	400/3850=0.104
Chevrolet	Corvette C5 (non z06) '97-'04	350/3230=0.108
	Corvette C4 ZR-1	385/3465=0.111
Chrysler	Crossfire SRT-6	330/3240=0.102
De Tomaso	Pantera	350/3202=0.109
	Mangusta	320/3086=0.103
Ferrari	348 GTS	320/3071=0.104
	348 tb	295/3064=0.096
Ford	2003 SVT Cobra '03- '04	390/3665=0.106
	Mustang Shelby GT & Hertz Editions	335/3493=0.096
Jaguar	XKR	420/3814=0.110
Maserati	Coupe, Spyder & Gransport	394/3704=0.106
Mercedes	SLK & CLK 3.2 AMG	349/3296=0.105
	SLK & CLK 3.2 V6 S/C	349/3115=0.112
	SLK & CLK 55 AMG	349/3395=0.102
	SLK & CLK 5.4L V8	362/3715=0.097
Mitsubishi	EVO VIII, IX, MR & RS	286/3285=0.087
Panoz	Esperante	320/3263=0.098
Porsche	Boxster S ('04 & earlier)	258/2875=0.089
	Boxster '05 & up	240/2855=0.084
	Cayman (non S)	245/2866=0.085
	997 (non S)	325/3075=0.105
	996 C2, C4 & S models	320/3114=0.102
	911 Turbo's & 930 '94 & earlier	355/3241=0.109
Roush	Mustang Stage III	360/3520=0.102
Saleen	S281SC & S351	400/3550=0.112
Shelby	Series 1 N/A	320/2920=0.109
Subaru	WRX Sti	300/3351=0.090

CLASS C		For Reference Only
Audi	S4 '04 & up	340/3825=0.088
Acura	NSX	290/3160=0.091
BMW	335i (E90)	300/3571=0.084
	Z3 M Coupe & M Roadster (E36,240hp)	240/2920=0.082
	Z4 3.0si Coupe & Roadster	255/3108=0.082
	M3 Lightweight (E36) '95	249/2974=0.083
Cadillac	XLR 4.6L V8	320/3645=0.088
Chevrolet	Corvette C4 '90-'96	300/3223=0.093
	Camaro SS & LS1	305/3411=0.089
	SLP Camaro	325/3452=0.089
Chrysler	300 C SRT8	425/4190=0.101
Dodge	Caliber SRT-4	300/3189=0.094
	Magnum/Charger SRT-8	425/4160=0.102
Ferrari	Mondial	295/3314=0.089
	308 & 328 GTS/GTB	240/2835=0.084
Ford	Mustang SVT Cobra '96-'01	320/3430=0.093
	Mustang Mach 1 '03-'04	305/3366=0.091
	Mustang GT '05 & up	300/3519=0.085
	Mustang Cobra R '95	300/3325=0.090
Honda	S2000	237/2855=0.083
Infiniti	G35 Sport Coupe '03-'06	298/3524=0.084
	G35 '07 & up	306/3532=0.086
Lexus	IS 350	306/3527=0.086
Lotus	Esprit (4cyl Turbo)	264/2950=0.089
Mazda	RX7 TT '93 & up	255/2826=0.090
Mercedes	SL 550	382/4220=0.090
	C 32 AMG	349/3605=0.097
	C 55 AMG '05	362/3768=0.096
Nissan	300Z TT '90 & up	300/3351=0.089
	350Z	287/3362=0.085
Pontiac	Firebird & Trans Am WS6 & LS1	305/3452=0.089
	GT0 '04 & up	400/3725=0.106
	Firebird Firehawk	325/3411=0.095
	Solstice GXP	260/2948=0.088
Porsche	Boxster ('04 & earlier)	217/2822=0.077
	993 C2, C4,& S models	282/3064=0.092
	964 (911 '89-'94) C2, C4,& RS	247/3031=0.081
	928S, S4 & GT	345/3593=0.096
Roush	Mustang Stage I & II	270/3320=0.081
Saleen	S281	275/3350=0.082
Saturn	Sky Redline	260/2990=0.087
Toyota	Supra TT '93-'97	320/3415=0.093

CLASS D		For Reference Only
Acura	3.2 CL-S	260/3346=0.077
	TL-S	270/3480=0.078
Audi	A3 V6	250/3383=0.074
	S4 '00-'03 (Bi-Turbo V6)	250/3594=0.070
	TT 3.2L V6	250/3428=0.073
	S8	355/3858=0.092
BMW	M3 (E36)	240/3179=0.075
	Z4 3.0i	225/2998=0.075
	330i (E90)	255/3417=0.074
	330i (E46 Performance Pack)	235/3190=0.074
	M5 ('92)	310/3805=0.081
Chevrolet	Corvette C4 '89 & earlier (C3 & C2)	250/3280=0.077
	Camaro LT1	275/3479=0.079
	Cobalt SS Supercharged Stage 1 & 2	241/2991=0.080
Dodge	Neon SRT-4	230/2970=0.077
	Stealth TT	320/3792=0.084
Ford	Mustang GT 4.6L '99-'04 (Bullit inc.)	260/3290=0.079
Infiniti	G35 Sedan '03-'06	260/3470=0.075
	I35 3.5L V6	255/3342=0.076
Jaguar	XK8	290/3709=0.078
Mazda	RX-8 Manual	247/2976=0.083
	MazdaSpeed 3	263/3153=0.083
	MazdaSpeed 6	274/3589=0.076
Mercedes-Benz	SLK 350	268/3231=0.083
	SL, SLK (302 hp models)	302/3765=0.080
	CLK 430	275/3745=0.073
Mini	Cooper S JCW kit	214/2634=0.081
Mitsubishi	Eclipse V6 '06 & up	263/3472=0.075
	3000GT VR4	320/3792=0.084
Pontiac	Firebird & Trans Am LT1	275/3479=0.079
	Trans Am Turbo '89	255/3406=0.074
Porsche	911 3.0L '78-'83	214/2752=0.077
	911 3.2L '84-'89	231/2823=0.081
	944 Turbo & TurboS	250/2966=0.084
	928	237/3199=0.074
	968	236/3086=0.076
	914/6	175/2234=0.078
Saab	9-2x Aero	230/3179=0.072
Saturn	Ion Red Line (S/C Stage 1 & 2)	241/2930=0.082
Toyota	MR2 Turbo	200/2822=0.071
Subaru	WRX	227/3165=0.072
Volkswagen	R32	250/3409=0.073
Volvo	S60R & V70R	300/3693=0.081

CLASS E		For Reference Only
Acura	Integra Type R	195/2639=0.074
	RSX Type S	201/2840=0.071
Audi	TT 1.8T Quattro (225hp)	225/3240=0.069
	Coupe Turbo Quattro	200/2844=0.070
BMW	M3 (E30,4 cyl)	192/2867=0.067
	328i & 328xi (E90)	230/3351=0.069
	330Ci (E90)	225/3285=0.068
	330i & 330xi (E46)	225/3285=0.068
	Z3 Coupe & Conv. 2.8L	192/2870=0.067
	Z4 2.5L (6 cyl)	184/2943=0.062
	M6 ('88)	256/3600=0.071
Chevrolet	Camaro 5.0L,& 5.7L '93 & earlier	245/3458=0.071
	Cobalt SS Supercharged	205/2991=0.068
Chrysler	Prowler	214/2862=0.079
	Crossfire	215/3061=0.070
	Pt Cruiser Turbo	220/3101=0.071
Dodge	Daytona IROC R/T Turbo	224/2942=0.076
	Omni GLHS	175/2320=0.075
	Stealth '90 & up (non-turbo)	222/3064=0.072
	Spirit R/T	224/3086=0.072
Eagle	Talon TSI Turbo (FWD & AWD) '90-'97	210/3142=0.067
Ford	Mustang 5.0L '86-'95	225/3145=0.071
	Mustang GT 4.6L '96-'98	225/3275=0.069
	T-Bird '00 & up	252/3775=0.067
Honda	Prelude (V-TEC) & SH	200/2954=0.067
	Civic SI '06 & up	197/2877=0.068
	Accord 3L V6 '03 & up	240/3309=0.072
Lexus	IS 300	215/3255=0.066
Lotus	Elise (old), Elan, Europa	122/1900=0.064
Maserati	Bi-Turbo	205/2775=0.073
Mazda	Mazdaspeed Miata	178/2469=0.072
	MX-5 '06 & up	170/2441=0.069
	RX-8 Automatic	207/3024=0.068
	RX7 Turbo '87-'92	200/2987=0.067
	6s 3.0L V6	220/3140=0.069
Mercedes	C-class 3.2L V6	215/3310=0.065
	SLK 3.2 V6	215/3097=0.069
Mini	Cooper S	163/2679=0.063
Mitsubishi	Eclipse GT V6 '00-'05	205/3053=0.067
	Eclipse Turbo (FWD & AWD) '90-'99	210/3142=0.067
	3000 GT '90 & up (non-turbo)	222/3076=0.072
Nissan	Altima Coupe 3.5L	270/3294=0.082
	300Z '89 & up (non-turbo)	222/3186=0.070
	300Z T '84-'88	226/3109=0.072
	Maxima '00-'01	227/3199=0.071
Pontiac	G6 GTP 3.6L & 3.9L V6's	252/3478=0.072
	Solstice	177/2860=0.062
	Firebird & TA 5.0L, 5.7L '93 & earlier	245/3458=0.071
Porsche	911 2.7L	165/2464=0.067
	944 S2	208/2998=0.069

CLASS E (continued)		For Reference Only
Saab	9-5 Aero/9-5 '04 & up	260/3470=0.075
	9-3 Viggen & Aero	250/3285=0.076
Saturn	Ion Red Line '04 & up	205/2945=0.070
	Sky '07	177/2860=0.062
Scion	tC (With dealer installed Supercharger)	200/2965=0.067
Subaru	Legacy Spec B	243/3515=0.069
	Legacy GT '05 & up	250/3368=0.074
	Forester XT '05 & up	250/3485=0.072
Toyota	Celica GTS '00 & up	180/2500=0.072
	Supra T '86-'92	232/3534=0.065
	Supra NA '93-'97	220/3214=0.068
Volkswagen	GTI VR6 2.8L	200/2850=0.070
	GTI '06 2.0T	200/3308=0.066
Volvo	C30	218/2900=0.075

CLASS F		For Reference Only
Acura	Integra GSR	170/2665=0.063
	RSX	160/2734=0.058
	TSX	200/3257=0.061
	3.2 CL Coupe	225/3470=0.064
Audi	A4 2.8L & 3.0L Quattro	220/3583=0.061
	A4 1.8T & 2.0T Quattro	180/3241=0.055
	A3 2.0T	200/3263=0.061
	TT 1.8T FWD (180hp)	180/3109=0.057
BMW	325i, Ci (E90)	184/3197=0.057
	328i, Ci (E46)	193/3197=0.060
	325i, Ci (E46)	184/3241=0.057
	325i, Ci (E36)	189/3200=0.059
	328i, Ci (E36)	193/3200=0.060
Cadillac	Catera	200/3530=0.057
Chevrolet	Camaro V6	200/3323=0.060
	Beretta GTZ	180/2795=0.064
	Cobalt SS (Non-Supercharged)	173/2991=0.058
Chrysler	Conquest TSI	178/2780=0.064
	Sebring V6	200/3140=0.063
Datsun	240Z	161/2302=0.069
	280Z Turbo	180/2657=0.067
Dodge	Neon DOHC (150hp)	150/2560=0.058
	Stratus V6	200/3075=0.065
	Avenger V6	200/3020=0.066
Ford	Mustang V6 '05 & up	210/3310=0.063
	Mustang 3.8 V6 & 5.0 '86 & earlier	190/3064=0.062
	SVO Mustang	193/2950=0.065
	Contour SVT	200/3126=0.064
	Fusion V6	221/3392=0.065
	Taurus SHO	235/3395=0.069
	T-bird TurboCoupe	193/3080=0.062
	Probe GT '93-'96	164/2625=0.062
	Focus SVT	170/2769=0.061
Honda	Civic Si '96-01 & '02-05	160/2590=0.062
	Prelude Si	160/2975=0.056
	Del Sol Si (DOHC VTEC)	160/2522=0.063
	Accord V-6 '02 & earlier	200/3215=0.062
Hyundai	Tiburon V6	172/2898=0.059
	Sonata 3.3L V6 '06 & up	235/3458=0.068
Lexus	IS 250	201/3459=0.058
	ES330 & ES350	225/3461=0.065
Mazda	Miata 1.8L '94-'05	142/2348=0.060
	Mazdaspeed Protege	170/2712=0.062
	RX-7 '86-'92 (non-turbo)	160/2787=0.057
	MX-6 '93-'96	164/2625=0.062
	3s 2.3L	160/2762=0.058
	323 GTX	153/2558=0.059
	Millenia S	210/3355=0.062
Mercedes	C 230 Coupe 1.8L (4cyl s/c)	189/3250=0.058
	SLK 2.3L s/c	185/3025=0.061
	CLK 3.2L V6	215/3538=0.060

CLASS F (continued)		For Reference Only
Mercury	Cougar V6 '99-'02	170/2892=0.059
	Milan V6	221/3392=0.065
	Capri Turbo and 5.0 '82-'86	210/3050=0.068
Mitsubishi	Starion ESIR	178/2780=0.064
	Lancer Ralliart '04 & up	162/2645=0.061
	Galant VR-4	195/3146=0.062
Nissan	Maxima '92-'99	190/3014=0.063
	240 SX	155/2807=0.055
	Sentra SE-R Spec V	175/2710=0.065
Pontiac	Firebird V6	200/3319=0.060
	Fiero V6	160/2734=0.058
	Vibe GT	164/2780=0.059
	Grand Am 3.4L V6	200/3384=0.059
	G5 GT 2.4L	173/2991=0.058
	G6 GT 3.5L V6	224/3415=0.065
Porsche	924 S & 924 Turbo	160/2634=0.060
	944 & 944S '83-'89	163/2844=0.057
Saab	9-5 2.3L Turbo	220/3450=0.063
Subaru	SVX	230/3580=0.064
	Impreza 2.5 RS	165/2840=0.058
	Legacy & Outback V6	206/3549=0.058
Toyota	MR-2 '00 & up	138/2195=0.063
	MR-2 SC '86-'88	145/2215=0.065
	MR-2 (non-turbo) '90 & up	140/2590=0.055
	Matrix XRS	180/2877=0.063
	Corolla XRS	170/2672=0.063
	Supra NA '93 & earlier	200/3433=0.058
Triumph	Celica All-track Turbo	200/3351=0.059
	TR-8	155/2610=0.060
Volkswagen	Golf GTI 1.8T	180/2934=0.061
	Jetta 2.8L V6	178/2990=0.060
	Jetta 1.8T	180/2940=0.061
	Jetta '06 2.0T	200/3347=0.059
	Eos V6	250/3725=0.067
	Eos 2.0T	200/3275=0.061
	Beetle Turbo S	180/3005=0.059
	Corrado VR6	178/2734=0.065
	Corrado G60	158/2458=0.064
	Scirocco 16v	137/2138=0.064
Volvo	S40 T5 AWD	218/3278=0.066

CLASS G		For Reference Only
Acura	Integra (non-VTEC)	140/2643=0.053
	Legend '91-'93	161/3280=0.049
	Vigor	176/3142=0.056
Audi	80 & 90 Models	179/3109=0.057
	Coupe Quattro	164/3308=0.049
	Cabriolet	172/3364=0.051
BMW	318i, 318ti (E36) '92	138/2866=0.048
	323i, Ci (E46)	170/3153=0.054
	325i (E30) '84	170/2844=0.059
	2002 tti (turbo)	130/2262=0.057
Chevrolet	Z3 1.9L	138/2855=0.048
	Cobalt 2.5L	145/2853=0.051
	Cavalier & Beretta V6	150/2695=0.055
Datsun	HHR	172/3208=0.053
	260Z	150/2525=0.059
	280Z	140/2804=0.050
Delorean	DMC 12	145/2743=0.052
Dodge	Neon SOHC	132/2560=0.051
	Caliber 2.4L	172/3308=0.052
	Stratus Coupe 2.4L (4cyl)	150/2851=0.052
	Avenger 2.4L (4cyl)	150/2851=0.052
	Daytona V6 & Turbo	152/2777=0.055
Ford	Escort ZX2	130/2544=0.051
	Focus ZX3	130/2746=0.047
	Focus ZX4 ST	151/2803=0.053
	Contour V6	170/2910=0.058
	Taurus V6	200/3313=0.060
	Fusion (4cyl)	160/3101=0.051
	Escort GT	135/2625=0.049
Geo	Probe Turbo	145/2729=0.053
	Storm GSi	130/2392=0.054
Honda	Civic EX/LX V-TEC SOHC '92 -'95	125/2550=0.049
	Civic EX/LX V-TEC SOHC '96 -'05	127/2513=0.050
	Civic Si 95 & earlier	112/2274=0.049
	Civic 1.8L VTEC '06 & up (non-Si)	140/2701=0.052
	Accord '03 & up (4 cyl)	160/3047=0.052
	Del Sol Si (SOHC VTEC)	125/2414=0.052
	CRX Si	108/2174=0.049
	Prelude	135/2765=0.048
Hyundai	Tiburon (4cyl)	140/2566=0.054
Isuzu	Impulse, Stylus	130/2447=0.053
Mazda	RX7 (12a) '86 & earlier	115/2330=0.049
	3i 4cyl	144/2888=0.049
	6i 4cyl	160/3040=0.053
	Miata 1.6L '90 -'93	116/2093=0.055
	Protégé & Protégé 5 & MP3	130/2449=0.053
	MX3 V6	130/2541=0.051
Mercedes	MX-6 Turbo	145/2729=0.053
	C class 2.6L V6	168/3310=0.051
	190 Series	158/2955=0.053

CLASS G (continued)		For Reference Only
Mercury	Milan (4cyl)	160/3101=0.051
	Sable V6	200/3313=0.060
Merkur	XR4TI, Scorpio	170/2952=0.057
Mini	Cooper Cpe & Conv.	115/2524=0.045
Mitsubishi	Mirage, Eclipse & Lancer (non-turbo)	140/2750=0.051
	Galant 4cyl (non-turbo)	160/3030=0.053
	Eclipse '06& up (4cyl)	162/3274=0.050
Nissan	Sentra SER, NX2000 & 200SX SER	140/2631=0.053
	Altima 2.5S & SE (4cyl)	175/3320=0.053
	Altima Coupe 2.5L	175/3042=0.057
	Maxima '92 & earlier	160/3086=0.052
Mercury	Capri XR2 Turbo	132/2446=0.054
	Mystique V6	170/2910=0.058
Pontiac	Fiero (4cyl)	130/2534=0.052
	Sunfire GT	150/2791=0.054
	Grand Am V6	175/3384=0.051
	G6 (4cyl)	167/3326=0.050
	G5	148/2991=0.049
Porsche	924	125/2347=0.053
	914 2.0L	101/2138=0.048
Saab	900 & 9000 series	160/2732=0.058
	9-3 2L Turbo	185/3250=0.057
	9-2x 2.5i	173/3091=0.056
Saturn	Ion	145/2813=0.051
	SC2	124/2437=0.051
	L300 3L V6	182/3035=0.060
Scion	tC '04 & up	161/2905=0.055
Subaru	Legacy & Outback (4cyl)	165/3164=0.052
Suzuki	Aerio SX	155/2605=0.060
Toyota	Celica (exc. Alltrac turbo & GTS)	140/2425=0.057
	MR-2 '85-'89	112/2390=0.047
	Camry V6	194/3252=0.059
	Solara V6	210/3440=0.061
Volkswagen	Passat All (exc. W8)	200/3354=0.059
	Jetta '06 I-5 & Tdi	150/3230=0.046
	Beetle 1.8T & Tdi	150/2884=0.052
	Beetle '06 2.5L	150/2884=0.052
	Rabbit '06 2.5L	150/2772=0.054
Volvo	S40, V40 & V50	170/3018=0.055

CLASS H		For Reference Only
BMW	2002 non-turbo	98/2271=0.043
	320i (E21)	122/2458=0.049
Chevrolet	Aveo 1.6L	105/2380=0.044
	Malibu 2.2L (4cyl)	145/3175=0.046
	Cavalier & Beretta (4cyl)	115/2637=0.044
Chrysler	PT Cruiser	150/3101=0.048
Dodge	Shadow, Omni, Duster & Stratus (4cyl)	129/2976=0.043
	Caliber 1.8L	148/2966=0.049
Fiat	X 1/9	83/2035=0.040
Ford	Focus Zx5 & Zx4	130/2846=0.045
	Contour (4cyl)	125/2769=0.045
	Escort Lx & Tempo	110/2525=0.043
	Aspire & Festiva	63/2004=0.032
	Metro, Prism, Spectrum & Storm	108/2400=0.045
Honda	Civic (non-VTEC) '92 & earlier	106/2388=0.044
	CRX (non-Si)	92/2103=0.043
	Accord '02 & earlier (4cyl)	140/2899=0.048
	Del Sol S	106/2302=0.046
	Fit	109/2471=0.044
Hyundai	Accent	103/2255=0.046
	Elantra (4cyl)	138/2635=0.052
	Sonata 2.7L V6	142/3072=0.046
	Sonata (4cyl)	138/3180=0.043
	Scoupe	115/2176=0.052
	Excel	81/2147=0.038
Infinity	G20	140/2912=0.048
Kia	Rio	104/2405=0.043
	Optima 2.7L V6	170/3280=0.052
	Optima (4cyl)	138/3280=0.042
	Sephia	138/2724=0.050
	Spectra & Spectra 5	138/2872=0.048
Mazda	Mazda 5	157/3333=0.047
	626	118/2672=0.044
	323	92/2238=0.041
	MX-3 (4cyl)	105/2443=0.043
Mercury	Tracer	110/2525=0.043
	Cougar (4cyl)	125/2892=0.043
	Mystique (4cyl)	130/2746=0.047
MG	All Models	92/2080=0.044
Nissan	Versa	122/2513=0.048
	Sentra 1.6,1.8, NX1600 & 200sx	115/2512=0.046
	Pulsar	90/2388=0.037
	Stanza	138/2839=0.048
Pontiac	Sunfire SE	115/2637=0.044
	Vibe 1.8L	130/2700=0.048
	Grand Am & Sunbird (4cyl)	111/2485=0.044
Porsche	356 1600	80/1874=0.042
	356 1600SC	95/2059=0.046
	912	102/2135=0.047
	914 1.7L & 1.8L	91/2135=0.043

CLASS H (continued)		For Reference Only
Saturn	SC1 & SL1 1.9L SOHC	100/2379=0.042
	L300 2.2L (4cyl)	135/3035=0.044
Subaru	Impreza L	130/2792=0.046
Sunbeam	Alpine	77/2127=0.036
Scion	XB 1.5L	108/2485=0.043
	xA 1.5L	108/2375=0.045
Suzuki	Forenza	119/2700=0.044
	Swift & Esteem	100/2180=0.045
Toyota	Paseo, Tercel, Insight & Echo	100/2300=0.043
	Yaris	106/2293=0.046
	Camry (4cyl)	155/3154=0.049
	Corolla All Models (exc XRS)	126/2403=0.052
	Solara 4cyl	155/3154=0.049
Vintage	All Pre '80 under 100hp automobiles	>100 hp
Volkswagen	All 2.0L & under models 115hp & less	115/2600=0.045
	Scirocco 1.8L 8v	90/2044=0.044
Yugo	All	

CLASS S – “Sedan”	Heavy Sedans	For Reference Only
Acura	RL	300/4005=0.075
	Legend GS '94 & up	230/3590=0.064
	TL (non-S)	225/3492=0.064
Audi	S6	340/4024=0.084
	A6 4.2L V8	300/4024=0.074
	A6 2.7L TT V6	250/3836=0.065
	A6 3.2L Quattro '05 & up	255/3957=0.064
	A8 W12	444/4398=0.100
	A8	310/4068=0.076
	V8 Sedan	240/3903=0.061
	100, 200, 4000 & 5000 Models	162/3483=0.046
BMW	525i & 535i (E34)	189/3512=0.054
	533i & all older 5-series (E28)	215/3700=0.058
	530i (E60)'03 & up	225/3733=0.060
	545i (E60)'04 & up	325/3415=0.095
	540i (E39)	290/3803=0.076
	645Ci (E63) & 645Conv (E64)	325/3860=0.084
	650i '06	360/3814=0.094
	745i (E65)'02	325/4376=0.074
	740i/iL(E38) '95	282/3858=0.073
	850 CSi	372/4167=0.089
	850 Ci	296/4123=0.072
Buick	All Models	205/3740=0.55
Cadillac	STS V8	320/4230=0.075
	STS V6	255/3948=0.064
	STS-V	469/4295=0.109
	CTS 2.8L V6	208/3568=0.058
	CTS 3.5L V6	255/3509=0.072
	DTS	291/4009=0.072
	Allante	290/3720=0.078
Chevrolet	Impalla SS V8 '06 & up	303/3660=0.082
	Impala V8 '96	250/4050=0.061
	Monte Carlo SS V8	303/3549=0.085
	Monte-Carlo 3.8 V6 (S/C & non S/C)	240/3396=0.070
	Malibu & Malibu Maxx V6	200/3476=0.057
	Malibu SS & Malibu Maxx SS	240/3620=0.066
Chrysler	300 C 5.7L V8 & V6	340/4030=0.084
Dodge	Magnum/Charger 5.7L V8 & V6	340/4030=0.084
Ford	Crown Victoria	220/3918=0.056
	Five Hundred	203/3645=0.055
	T-Bird V8 & V6 S/C	210/3738=0.056
Hyundai	Azera	263/3629=0.072
Infiniti	J30	210/3527=0.059
	M45	335/3995=0.083
	M35 '05 & up	280/3790=0.074
	Q45	266/3878=0.068

CLASS S – “Sedan” (continued)	Heavy Sedans	For Reference Only
Jaguar	X-Type 2.5L V6	192/3430=0.056
	X-Type 3.0L V6	231/3516=0.065
	S-Type 3.0L V6	235/3739=0.063
	S-Type 4.2 V8	294/3940=0.075
	S Type R	400/4075=0.098
	Super V8	390/4059=0.096
	XJS V12	285/3706=0.076
	XJR	370/4059=0.091
	Lexus	LS460
SC430 Coupe		288/3840=0.078
SC400, LS430 & LS400		290/3955=0.073
GS400 & GS430		288/3890=0.077
GS300		220/3649=0.060
Lincoln	All Models	232/3642=0.063
Mazda	929	193/3596=0.053
Mercedes-Benz	E Class & S Class (4dr models only)	302/3765=0.080
	C Class (4dr models only)	268/3580=0.075
	190, 300 & 350 Classes	177/3365=0.052
	420, 500 & 560 Classes	238/4100=0.058
Maserati	Quattroporte	395/4468=0.088
Mercury	Cougar V8 & S/C V6 '97 & earlier	210/3738=0.056
	Cougar XR7 V6	145/3559=0.040
	Grand Marquee	220/3918=0.056
	Montego	203/3645=0.055
Mitsubishi	Galant Ralliart '07	258/3781=0.068
	Galant LS/GTS 3.8L V6	230/3649=0.063
	Diamante	230/3329=0.069
Nissan	Maxima '02 & up	255/3239=0.078
	Altima 3.5SE '02 & up	240/3278=0.073
Oldsmobile	All Models	205/3740=0.055
Pontiac	Grand Prix GXP	303/3638=0.083
	Grand Prix 3.8L V6 (S/C & non S/C)	240/3396=0.070
	Bonneville	200/3851=0.051
Volkswagen	Passat 4Motion W8	270/3671=0.073
	Phaeton	335/5194=0.064
Volvo	S80	268/3653=0.073
	S60 & V70	247/3410=0.072
	C70	218/3792=0.057

CLASS U - "Unlimited"		
All cars that are heavily modified out of our stock classes and the modification listing, regardless of their engine displacement and the DOT tire compound that the car is on. Non DOT tires are not allowed in this class. This class includes Class A vehicles that are bumped one class and B vehicles that are bumped two classes, and so on.	Examples: Most lightly modified A cars (Corvette Z06 with coilovers), moderately modified B cars (Subaru STI with chip and coilovers), Lightweight cars with turbo kits that are not factory installed. ALL engine swaps with a .1 or higher HP/WT ratio (RX-7 with small-block V8) and highly boosted factory turbo cars with moderate modifications.	
CLASS R - "Race"		
All production race cars regardless of engine displacement	All non street legal cars that can not pass a DOT state inspection.	
CLASS O - "Open Wheel"		
All Open wheel cars		

PROPER CLASSIFICATION IS THE RESPONSIBILITY OF THE ENTRANT.

Competitors should class their vehicles according to the preceding list and the following modification penalty system. The Tech Steward will be responsible for verifying each vehicle's class at the time of tech inspection. The Tech Steward will also be responsible for initially classing vehicles and modifications not listed herein. Any interpretation of the Tech Steward may be appealed to the *Motorsports Northeast* Rules Committee by informing the Steward or any other Official. The Steward's determination will stand unless the *Motorsports Northeast* Rules Committee determines otherwise prior to the next scheduled event.

MODIFICATIONS

Cars with MODIFICATIONS will be subject to re-classed to keep the competition fair and consistent. A modification means removal, replacement, or enhancement of the indicated part with a part or enhancement that is not available as a factory-installed option for that year, make, model and trim level of vehicle. Engine swaps will be classed on a case-by-case basis to keep such car competitive. The following modifications incur a point's penalty. For every 20 points the vehicle receives the car will be moved up one class.

Points Scale

0 – 19 = No Class Bump

20 – 39 = 1 Class Bump

40 – 59 = 2 Class Bump

60 – 79 = 3 Class Bump

80 – 99 = 4 Class Bump

100 points or more go directly to Class U

Light Modifications:

1. Performance shocks (adjustable or non adjustable) = **5 Points**
2. Springs = **5 Points**
3. Camber plates = **5 Points**
4. Sway bars = **5 Points**
5. Big Brake kits = **5 Points**

Weight Modifications:

* The 1st 4 Point modification is free, however if a 2nd modification is performed, all points count. *

6. Lightweight Hood = **4 Points**
7. Lightweight Trunk = **4 Points**
8. Racing seats = **4 Points**
9. Rear seat removal and all carpeting behind the Driver / Passenger seats = **4 Points**
10. Replacing of body panels with Lightweight versions = **4 Points**
11. One piece GT style fiberglass front end = **16 Points**

Medium Modifications:

12. Transmission change or swap, rear gear ratio change, or including tires/wheels with an overall diameter that deviates (smaller) from factory options by 1 inch or more = **10 Points**
13. Differential upgrade (Limited Slip) = **10 Points**
14. Any/All Exhaust System Modification from Exhaust Valve to and including Catalytic Converter (from Cat back is free) =
20 Points for Turbo or Supercharged Vehicles
10 Points for Normally Aspirated Vehicles
15. Any/All Air Intake Modifications from Throttle Body to Intake Valve (from throttle body to air box is free) =
20 Points for Turbo or Supercharged Vehicles
10 Points for Normally Aspirated Vehicles
16. Adjustable coil-over suspension or relocation of suspension = **20 Points**
17. Non-factory body flares to allow wider tires/wheels = **20 Points**
18. Wheels or Tires that extend beyond stock fender = **20 Points**
19. Addition of Aftermarket Intercooler = **20 Points**

Heavy Modifications:

20. Any/All internal Engine Modification incl. Boring, Stroking, Changing Compression, Water Injection; Internal Engine Parts such as valves, pistons, rods, crankshaft, etc; Fuel components in forced induction vehicles including injectors, pumps, pressure risers and larger turbochargers =
40 Points for AWD Vehicles
20 Points for FWD or RWD Vehicles
21. Any/All Boost controllers, Performance chips, Reprogrammed/Replacement/Piggyback ECU, Pulleys for Supercharged vehicles, Blow-off Valves or Waste Gates on Forced Induction Vehicles (Performance Chip on a Naturally Aspirated vehicle is free) =
40 Points for AWD Vehicles
20 Points for FWD or RWD Vehicles
22. Non-factory installed Turbo or Supercharger =
80 Points for Vehicles with a curb weight of under 2600lbs
40 Points for AWD Vehicles
20 Points for FWD or RWD Vehicles

Engine Swaps:

All engine swaps will be evaluated on a case by case basis. The basic formula will be Horsepower to Weight, with the drivetrain configuration added in with a one-class bump. When the base class is established all other modifications follow the points system. For all cars that start with a HP / WT value of .100 or greater the base class will be Class U. For example a 1998 Honda Civic EX with an Integra GSR motor ($170 / 2515 = .0675 = \text{Class E} + 1 \text{ Class Bump}$) would be in Class D. A 1993 RX-7 with a V8 LS1 swap ($305 / 2826 = .107 = \text{Class A} + 1 \text{ Class Bump}$) would be in Class U.

Race Modifications:

These modifications immediately move you to "Race Class"

1. Any Non DOT approved tires (Slicks)
2. Vehicle's that were purpose built for Autocross or Open Track or Tube frame purposely build cars.
3. Guttred interior forward of the driver's seat back (carpet, soundproof – entire cabin, dashboard), replacement or removal of auto glass except sunroof, full cage to the rear shock towers, "straight pipe" exhaust
4. Any non-street legal vehicle.

Free Modifications:

The following modifications may be installed without incurring penalties

Engine

Modifications before the throttle body and after catalytic converter are allowed, including but not limited to: the air filter; cold air system; air boxes; air intake hose or pipe forward of the throttle body; cat-back exhausts (although vehicle must be muffled and meet sound level standards). Changes to engine ancillary equipment, including but limited to: under-drive/lightweight pulleys, and timing pulleys in naturally aspirated vehicles only. Removal/addition of AC, Cruise Control, fuel components in naturally aspirated vehicles; engine mounts; radiators; oil/trans coolers; dry sumps; fuel additives; oil additives; ignition systems and wiring; spark plugs; Chip or ECU upgrades in naturally aspirated vehicles only; Silicone or other hoses; "Dress up" kits, and other cosmetic changes, including the painting/coating of any surface.

Suspension

Any part which is available from the factory, as a factory non-racing/Motorsports division option, on the same chassis may be installed. Aftermarket bushings; Strut braces; chassis stiffeners; any DOT-approved tire; any wheel material; any wheel size less within 1" of the rolling height, and/or within 1" width of what is available from the factory as a non-racing/Motorsports division option on the same body. A larger overall diameter is okay. (e.g., factory option wheels/tires ranged from 16x7 to 17x8, with a 25" diameter on your car. You could do a 17x8.75 or 16x8.75 without penalty, as long as the total diameter is within 1" of factory. In this case, a total diameter approaching 24" may be scrutinized/penalized by the Tech Stewards.)

Exterior

Addition/removal of sunroof, tails, spoilers, fins, hood scoops, any cosmetic changes etc, as long as they do not pose a risk to either the driver or other participants; Removal/addition emblems, trim, badges, mud guards, antennae, additional lights.

Interior

Gauges; lights; roll cages/bars, strut braces, harness bars, seatbelts/harnesses; pedals; shift knobs; steering wheels; rear view mirrors; spare tire, stereo equipment, tools, and jack; cosmetic changes or additions. Note: There can be no jagged edges within the driver compartment, which may cause a driver or instructor to be cut or injured.

Brakes

Any rotor, of the same size/width may be used, including drilling and slotting. Any brake pad material; Calipers may be changed, so long as the rotor swept area does not change. Braided lines; removal of brake wear sensors; brake fluid type/material; brake booster; removal of ABS; cosmetic changes

Driver

Helmets are mandatory and must be worn at all times during a competitive run. Driver is free to wear any type material, including but not limited to: Clothing, shoes, pants, shirts, gloves, socks, etc. of any material, color, texture, etc. Sandals, and high-heels do not meet the safety requirements, and may be scrutinized/penalized by the Tech Stewards.