

IMF (Inspection and Modifications Form)

2006 BMWCCA Boston Chapter Autocross Series

Name _____ BMW Model/Yr. _____

Model Base Points _____ (from web site) Sport Suspension: Y / N

Engine

<input type="checkbox"/>	Non-stock fuel injection components [add 3 points]
<input type="checkbox"/>	Non-stock cam - any duration [add 6 points]
<input type="checkbox"/>	Eta motor camshaft plus chip upgrade (eta engine only) [add 10 points]
<input type="checkbox"/>	Camshaft upgrade [add 6 points]
<input type="checkbox"/>	Pistons - high compression over 9.5:1 [add 7 points]
<input type="checkbox"/>	Lightweight flywheel [add 5 points]
<input type="checkbox"/>	Underdrive pulley for crank/fan belt [add 3 points]
<input type="checkbox"/>	Supercharger pulley [add 5 points w/o LS diff, add 10 pts with LS diff]
<input type="checkbox"/>	Tube exhaust headers [add 2 point]
<input type="checkbox"/>	Removed catalytic convertor [add 3 points, '95 M3 – 5 pts]
<input type="checkbox"/>	Cat back exhaust replacement [add 1 point]
<input type="checkbox"/>	Valves, larger than stock [add 1 point]
<input type="checkbox"/>	Turbocharger [add 15 points]
<input type="checkbox"/>	Supercharger [add 15 points]
<input type="checkbox"/>	Water injection [add 2 points]
<input type="checkbox"/>	Porting & Polishing [add 2 points]
<input type="checkbox"/>	E30 M3 Exhaust cam gear upgrade [add 3 points]
<input type="checkbox"/>	Cone air filter with heat shield [add 3 points]
<input type="checkbox"/>	E36 M3 Euro HFM [add 3 points]
<input type="checkbox"/>	E36 M3 OBD1 intake manifold swap to an OBDII car [add 2 points]
<input type="checkbox"/>	Increased displacement or non stock engine points (see autocross points committee for points assignment)
<input type="checkbox"/>	Computer chip or software upgrade 318i 1990-1995 includes exhaust (11 points); 325e 1984-1987 (15 points);325i 1987-1991 (7 points);325i 1993-1995 (9 points);325ix 1988-1990 (7 points);328i 1996 + (2 points);525i (2V) 1989-1990 (8 points);525i (4V) 1993-1995 (9 points);528e 1988 (16 points);528e 1982-1987 (14 points);533i 1983-1984 (6 points);535i 1985-1988 (11 points);535i 1989-1995 (8 points);633csi 1982-1984 (6 points);635csi 1985-1987 (11 points);635csi 1988-1989 (5 points);735iA 1985-1987 (12 points);735iA

	1988 + (8 points);750iL 1988 + (7 points);850i 1991 + (7 points);M3 1988-1991 (8 points);M3 1995 3.0 liter, OBD 1 (5 points);M3 1996 + 3.2 liter, OBD 2 (3 points);M5 1987-1989 (11 points);M5 1991-1993 (10 points);M6 1987-1989 (11 points);Z3-2.8 1997 + (2 points);525i (4V) 1991-1992 Non-VANOS M50 (7 points);325i 1992 Non-VANOS M50 (7 points);318i 1996-1999 M44 OBD 2 (4 points);540i 1993-1995 (1 points)
--	--

Suspension and Brakes

<input type="checkbox"/>	Front Sway bar (added, larger than stock, or adjustable) [add 2 points]
<input type="checkbox"/>	Rear Sway bar (added, larger than stock, or adjustable) [add 4 points]
<input type="checkbox"/>	Springs, cut or non-stock, set of 4 or less [add 4 – 2 if sport susp.]
<input type="checkbox"/>	Coilovers, cut or non-stock, set of 4 or less [add 8 points], if selected, do not select shock & springs
<input type="checkbox"/>	Shocks, non-stock, set of 4 or less [add 2 point – 1 if sport susp.]
<input type="checkbox"/>	Front Stress bar [add 1 point]
<input type="checkbox"/>	Rear Stress bar [add 1 point]
<input type="checkbox"/>	Rear subframe, relocated or adjustable (camber) [add 2 points]
<input type="checkbox"/>	Increased caster [add 2 points]
<input type="checkbox"/>	Quick ratio steering [add 2 points]
<input type="checkbox"/>	Brake system improvements (e.g. larger rotors, drum to disk) [add 4 points]
<input type="checkbox"/>	X-brace for E36 (except convertibles) [add 2 points]
<input type="checkbox"/>	Increased negative front camber points (3 points per 0.5 degree increase)

Driveline

<input type="checkbox"/>	I do not have a limited slip differential
<input type="checkbox"/>	I have added a limited slip differential:
<input type="checkbox"/>	Limited slip differential (\leq 40% lock-up) [8 points]
<input type="checkbox"/>	Limited slip differential ($>$ 40%) [add 10 points]
<input type="checkbox"/>	Mini Cooper limited slip differential [add 13 points]
<input type="checkbox"/>	Change in final drive ratio points (see autocross points committee for final drive ratio points assignment)
<input type="checkbox"/>	Change in second gear ratio points (see autocross points committee for second gear ratio points assignment)

Wheels and Tires

	<input type="checkbox"/>	<p>Tire width change points - The points to be assessed by a <i>tire width change</i> are computed by subtracting the increase in width in mm divided by 10 to get the number of cm increase. The points are calculated by the cm difference times a multiplier. The multiplier is 2.0, 2.5, or 3.0 depending on the upgraded tire's aspect ratio.</p> <p>width multiplier new tire aspect ratio</p> <p>2.0 80 - 70</p> <p>2.5 65 - 55</p> <p>3.0 50 - 30</p> <p>points = ([new width mm – stock width for each axle] / 10) * (width multiplier)</p> <p><i>If you are just increasing the width of the front or the rear tires, enter half the points from the formula.</i></p>
	<input type="checkbox"/>	<p>Wheel width change points - points = (new width in Inches – stock width in Inches for each axle) * 2</p> <p><i>If you are just increasing the width of the front or the rear wheels, enter half the points from the formula.</i></p>
	<input type="checkbox"/>	<p>Tire diameter change points - A decrease in <i>tire diameter</i> influences the weight-to-thrust ratio. Tires that are smaller in diameter can result in an acceleration advantage. The <i>tire diameter change</i> points are computed by multiplying the tire diameter decrease (in inches) by 4. Therefore, there is one point assessed for each quarter inch decrease in the tire diameter.</p>
		<p><i>R compound tires</i> are soft tread compounds are defined by the tire's tread wear rating of less than 110. These tires are also referred to as <i>racing</i> tires. Harder compound tires are referred to as <i>street</i> tires. The tires that you run are a major factor in determining your car's class. Note: Pirelli P Zero Corsas are specifically NOT allowed in street classes regardless of their tire wear ratings. Pirelli P Zero Corsas are considered R compound by the Autocross Committee.</p> <p>Rain tires are banned for all Autocross events.</p>
Yes / No		R (racing) compound tires

Chassis and Bodywork

	<input type="checkbox"/>	Battery moved to trunk [add 1 point]
	<input type="checkbox"/>	Relocated motor mounts [add 1 point]
	<input type="checkbox"/>	Sport or racing seats [add 5 point]
	<input type="checkbox"/>	Extensive lightning such as fiberglass body parts, removed seats, and so on (see autocross committee for points assignment)

Total Points: _____

Driver Signature: _____ Date: _____

Class: _____ Tech Inspector: _____ Date: _____