BMW
U.S. Press Information

Contacts:
Thomas Plucinsky
Product & Technology Communications Manager
201-307-3783 / thomas.plucinsky@bmwna.com

David J. Buchko
Advanced Powertrain & Heritage Communications
201-307-3709 / dave.buchko@bmwna.com

Matthew Russell
BMW Product & Motorsport Communications
Tel. 201 307 3755
Matthew.Russell@bmwna.com

Technical Data.
2010 BMW 5 Series Gran Turismo.

		535i	550i
		Gran Turismo	Gran Turismo
04.01.2010		Auto 8 Speed	Auto 8 Speed
Body			
No. of Doors / Seating Capacity	-	4 / 5	4 / 5
Vehicle Length	mm / inch	4999 / 196.8	4999 / 196.8
Vehicle Width	mm / inch	1901 / 74.8	1901 / 74.8
Vehicle Height. Unloaded	mm / inch	1559 / 61.4	1559 / 61.4
Wheelbase	mm / inch	3070 / 120.7	3070 / 120.7
Turning Circle	m / ft	12.2 / 40.0	12.2 / 40.0
Track, Front	mm / inch	1611 / 63.4	1611 / 63.4
Track, Rear	mm / inch	1654 / 65.1	1654 / 65.1
Width at Shoulderheight, Front	mm / inch	1506 / 59.3	1506 / 59.3
Width at Shoulderheight, Rear	mm / inch	1466 / 57.7	1466 / 57.7
Effective Leg Room, Front	mm / inch	1030 / 40.6	1030 / 40.6
Effective Leg Room, Rear	mm / inch	1062 / 41.8	1062 / 41.8
Effective Head Room, Front	mm / inch	1051 / 41.4	1051 / 41.4
Effective Head Room, Rear	mm / inch	991 / 39.0	991 / 39.0
Trunk Volume acc SAE1100	ft^3	10 /15 / 63	10 /15 / 63
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	2055 / 4531	2220 / 4895
Weight Distribution Front/Rear	%	47.2/52.8	51.8/48.2
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2570 / 5667	2700 / 5954
Payload	kg / lbs	460 / 1014	460 / 1014
Axle Load Limit, front	kg / lbs	1170/ 2580	1275 / 2811
Axle Load Limit, rear	kg / lbs	1480 / 3263	1500 / 3308
Towing Capacity	kg / lbs	tba	tba
Roof Load Limit	kg / lbs	75 / 165	75 / 165
Drag Coefficient	Cd	0.31	0.32
Drag Cd x A	m^2 / ft^2	0.80 / 8.6	0.82 / 8.8
Engine		N55	N63
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS	V 90°/ 8 / 4 VANOS
Engine Management System	-	MEVD17.2 Direct Injection	MSD 85.1 Direct Injection
Induction System	-	Valvetronic, single twin scroll turbo	twin turbo reverse flow "hot V"
Boost Pressure / Overboost	Bar	0.6	0.6
Displacement	cm^3 / $inch^3$	2979 / 181.8	4395 / 268.2
Stroke	mm / inch	89.6 / 3.53	88.3 / 3.48
Bore	mm / inch	84 / 3.31	89 / 3.50
Power	SAE hp / rpm	300 / 5800-6250	400 / 5500-6400
Torque	ft lbs / rpm	300 / 1200-5000	450 / 1750-4500
Compression Ratio / Fuel type	-	10.2 / Premium	10.0 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	8HP45	8HP70
Gear Ratios I	-	4.714	4.714
II	-	3.143	3.143
III	-	2.106	2.106
IV	-	1.667	1.667
V	-	1.285	1.285
VI	-	1.000	1.000
VII	-	0.839	0.839
VIII	-	0.667	0.667
Reverse Ratio	-	3.295	3.317
Final Drive Ratio	-	3.077	3.077
Steering Type / Ratio	-	Rack-and-pinion / 19.1	Rack-and-pinion / 19.1
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 348 / 13.7	Vent. Disc / 374 / 14.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 345 / 13.6	Vent. Disc / 370 / 14.6
Tire Type, Front	-	245/50 R18 100W AS RSC	245/50 R18 100W AS RSC
Tire Type, Rear	-	245/50 R18 100W AS RSC	245/50 R18 100W AS RSC
Tire Type, Front w. Sport Package (top)	-	245/40 R20 Z RSC	245/40 R20 Z RSC
Tire Type, Rear w. Sport Package (top)	-	275/30 R20 Z RSC	275/30 R20 Z RSC
Wheels, Front	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Front w. Sport Package (top)	-	8.5J x 20 Light alloy	8.5J x 20 Light alloy
Wheels, Rear w. Sport Package (top)	-	10J x 20 Light alloy	10J x 20 Light alloy
Performance			
Top Speed	km/h / mph	240 / 150	240 / 150
Top speed w. Sport Package	km/h / mph	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.2	5.4
Acceleration, 0-100 Km/h	s	6.5	5.7
Fuel Economy, EPA Estimate - City	mpg	19	15
Fuel Economy, EPA Estimate - Highway	mpg	28	21
Fuel Economy, EPA Estimate - Combined	mpg	22	17
Approximate Range	km / miles	660 / 410	510 / 315