

Year / Make / Model:	2006 Chevrolet Corvette Coupe		
Mileage:	16,700		
Options:	6-Speed Auto Trans, Z51 Performance Package, Body Colored Roof, 3LT, QX1 Wheels, Stock Exhaust, Formula One "Pinnacle" window tint on side windows and rear hatch		
Tires:	Michelin Pilot Sport PS2 with 1000 miles on them at the time of test		
Speed / Road Type			
	Baseline (dBA)	After Insulation Install (dBA)	Delta (dBA)
0 MPH Idle	56	55.7	0.3
60 MPH / Concrete	72.3	71.8	0.5
65 MPH / Concrete	73.5	71.6	1.9
70 MPH / Concrete	73.1	71.7	1.4
75 MPH / Concrete	73.6	72.6	1
60 MPH / Asphalt	74.4	74	0.4
65 MPH / Asphalt	74.7	73.3	1.4
70 MPH / Asphalt	74.9	73.9	1
Notes:			
All the runs were hampered by expansion joint noise. Tests should have been run on a continuous stretch of new asphalt for best comparison. Although a minimal improvement in sound level is seen in the data there is a noticeable improvement in sound quality which was heard by both the driver and the sound engineer. The air conditioning and stereo were off during all data collection.			

All sound data was taken with the meter shown below.
Meter was held above the center console with the mic at ear level



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Location	Baseline (°F)	After Insulation Install (°F)	Delta (°F)
Center of Driver's Floormat	101.6	90.5	11.1
Center of Pass Floormat	109.4	95.1	14.3
Rear of Driver's Floormat	116.7	100.5	16.2
Rear of Pass Floormat	112.2	96.4	15.8
Dead Pedal	97.7	92.3	5.4
Between Pedals	105.8	95.5	10.3
Middle of Foot Well (Pass)	104.3	96.9	7.4
Below Gas Pedal	113.1	98.7	14.4
Wear Pad (Right of Gas Pedal)	110.8	96.8	14
Mid Xmsn Tunnel (Driver)	113.7	100.5	13.2
Mid Xmsn Tunnel (Pass)	108.5	100.4	8.1
Front of Center Console	148.6	131.1	17.5
Rear of Center Console	150.2	132.2	18
Rear Cupholder	125.9	116	9.9
Front LHS of Rear Mat	126.5	94.8	31.7
Front Middle of Rear Mat	136.2	109.2	27
Front RHS of Rear Mat	120.5	93.7	26.8
Middle LHS of Rear Mat	141	97.1	43.9
Middle Middle of Rear Mat	154.2	104.7	49.5
Middle RHS of Rear Mat	138	95.9	42.1
Rear LHS Cargo Box Top	133.7	98.6	35.1
Rear Middle of Rear Mat	130.4	102.5	27.9
Rear RHS Cargo Box Top	123	97.1	25.9

Notes: Both runs were made during 90°F ambient temperature and included three hours of driving time which allowed the temperatures to stabilize. Air conditioning was set to 72°F and "Auto" mode. Lloyds logoed floormats are installed on both driver and passenger side. There is no rear mat (besides stock carpeting).

All thermal data was taken with the infrared thermometer shown below. Measurements were taken approximately 1 foot from surface.

