

This spreadsheet calculates your car's optimal corner weights by solving for a **50% Cross Weight** (50/50 diagonal weight balance). Cross Weight = RF + LR / Total. A Cross Weight greater than 50% = Wedge (for you circle track types). Enjoy, Rob Robinette

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Corner Weights			
Left Front	Front		Right Front
330,0	638,5		308,5
	52,4%		
Cross Weight			
	608,5		
Left	49,9%	Right	
630,0		589,5	
51,7%	Total	48,3%	
	1219,5		
Wedge		LF+RR	
608,5		611,0	
49,9%		50,1%	
(-2,5)			
Left Rear	Bite	Rear	Right Rear
300,0	19,0	581,0	281,0
		47,6%	

Target Corner Weights			
Left Front	Front		Right Front
329,9	638,5		308,6
-0,1	52,4%		+0,1
Cross Weight			
	608,8		
Left	49,9%	Right	
630,0		589,5	
51,7%	Total	48,3%	
	1219,5		
Wedge		LF+RR	
608,8		610,7	
49,9%		50,1%	
(-1,9)			
Left Rear	Bite	Rear	Right Rear
300,1	19,3	581,0	280,9
+0,1		47,6%	-0,1

1. Enter your current corner weights from the scales (blue numbers above-left)
2. Your target corner weights are calculated to give a 50/50 diagonal weight distribution (above-right)
Use the Ride Heights section below to document your ride height and suspension changes.

Ride Heights

Left Front	Right Front
26 5/16	26 1/16

Conditions: 2006 S2000 Completely stock, 5/8 tank gas, NO DRIVER, no passenger, spare tire in place, top up.

Changes made:

Left Rear	Right Rear
26 3/8	26 5/8

Note your ride heights and suspension changes here to track your progress. When you adjust your coil overs to get the desired corner weights your ride height will change. Always document your current ride heights and your coil over changes each time you weigh and adjust. It's better to make many small changes than to try to balance your car in one big step.

Planned Changes:

CG Height

Front Weight While Raised		
Left Front	Total	Right Front
681,0	1426	745,0

You can calculate an approximation of your car's **Center of Gravity height** (vertical CG) by raising the rear axle at least 10 inches and plugging in the new front wheel weights, wheelbase, rear axle height above the ground while level and axle height after being raised.

Wheelbase	94,5	inches (wheel center to wheel center)
Level Axle Height	11,75	inches (measure from ground to center of wheel)
Raised Axle Height	21,875	inches (new height of the rear axle)
CG Height =	578,03	inches above the ground

1. Enter level front wheel weight in Corner Weights section at the top part of this spreadsheet
2. Raise the rear axle at least 10 inches