

Table 2. New Estimates of Honda S2000 OE Coil Spring Parameters*

Model Year		'00-'01	'00-'01	'02-'03	'02-'03	'04-'07	'04-'05	'06-'07	'08-'09	'08-'09	'08-'09 CR	'08-'09 CR
Front/Rear		Front	Rear	Front	Rear	Front	Rear	Rear	Front	Rear	Front	Rear
Color 1		Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Color 2		Blue	Orange	Blue	Orange	Yellow	Orange	Orange	Yellow	Orange	Yellow	Orange
Color 3		Red	Red	Blue	Blue	Pink	Pink	Lt Blue	Brown	Green	Orange	Orange
Total coils	coils	6.5	6.4	6.4	6.5	6.4	6.5	7.4	6.4	6.7	6.6	6.5
Wire diameter, d	mm	11.18	11.94	11.40	12.15	11.65	11.95	12.22	11.85	12.01	12.83	12.41
'Main' coil diam., D_{main}	mm	96.5	96.7	96.3	96.2	97.1	97.2	95.0	97.3	95.2	96.3	95.5
No. active 'main' coils	coils	3.5	3.4	3.4	3.5	3.4	3.5	4.4	3.4	3.7	3.6	3.5
'Top' coil diam., D_{top}	mm	92.5	92.7	91.8	91.5	92.0	93.7	91.4	91.3	90.1	87.8	91.2
Total active coils, N	coils	4.5	4.4	4.4	4.5	4.4	4.5	5.4	4.4	4.7	4.6	4.5
Spring rate – 'main' coils	lb/in	274	366	309	385	328	349	324	349	362	466	429
Spring rate – 'top' coil	lb/in	1088	1404	1204	1566	1302	1364	1606	1426	1564	2202	1719
Calculated spring rate	lb/in	219	291	246	309	262	278	269	280	294	384	343
Free length	in.	11.39	10.95	11.03	10.83	10.70	10.86	11.06	10.55	10.73	9.89	10.13

*Revised 17 November 2010.