

Check for loose or worn parts, proper tire pressure, and odd tire wear patterns before beginning alignment.

1. Prior to taking an alignment reading, inspect rear hub mounting area. Remove any existing alignment shims.
2. Record initial alignment readings and determine amount camber and toe change required.
3. Raise vehicle and support by frame.
4. Remove rear tire and wheel assembly.
5. Remove hub assembly including brake backing plate and clean all contact surfaces. Disassembly of drum brakes typically not required.
6. Determine EZ-Shim settings using included chart on back.
 - A. Choose desired toe change from left side of chart and desired camber change from top of chart.
 - B. Locate box at intersection of desired settings. Numbers listed in box correspond to upper and lower shim disc positions (either number can be on upper or lower part of shim). If ideal box is empty, select a nearby box that offers best possible adjustment.

NOTE: Toe is always more critical than camber.

7. Mark areas of shim to be removed.
 - A. Spin shim discs to align numbers designated from chart, and mark these numbers' position using a marker.
 - B. Select correct template on this page and place shim on template with numbers facing up. Align ink mark on shim with top arrow on template.
 - C. Mark areas to be removed as indicated on template.

NOTE: Some vehicles may require additional areas removed for clearance of brake components and sensors.

8. Using SPC# 75915 or equivalent cutter, and coming from inside of shim, snip both sides of marked areas just enough to break connection.

NOTE: Wear safety glasses when cutting and removing marked areas.
9. Remove marked areas while firmly supporting shim adjacent to cut region. Remove marked areas corresponding to bolt holes first, and then remove areas for brake components and other interferences if needed.
10. Install shim in proper orientation.
 - A. For rear left side, numbers on shim face inboard.
 - B. For rear right side, numbers on shim face outboard.

11. Reassemble and torque SPC replacement bolts to manufacturer's specifications plus 15%. Begin at thinnest part of shim and proceed in a cross pattern.

CAUTION: Vehicles with rear disc brakes may require spacers (SPC# 75970) behind brake caliper to avoid rotor lock-up.
12. Reinstall tire and wheel assembly and lower vehicle.
13. Complete alignment and road test vehicle.

NOTE: Re-check bolt torque every 28,000 miles (50,000 kms).

Always check for proper clearance between suspension components and other components of vehicle.

Alignment Settings Chart on back

Align Selected Numbers with Arrow

**75610
YELLOW**

2

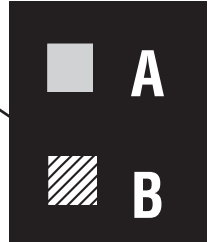
Mark and remove shaded areas

**75610
YELLOW**

1

Mark and remove shaded areas

Align Selected Numbers with Arrow



Make	Model	Drive	Years	Shim #
Nissan	Sentra	FWD	2013 +	1B
Nissan	Cube	FWD	2009 – 2013	1A
Nissan	Versa/Note	FWD	2006 – 2011	1A
Pontiac	Vibe	FWD	2003 – 2010	2
Toyota	Corolla	FWD	2003 – 2008	2
Toyota	Matrix	FWD	2003 – 2013	2

Plan Ahead - Read All Instructions BEFORE installing part.

This part should only be installed by personnel who have the necessary skill, training and tools to do the job correctly and safely. Incorrect installation can result in personal injury, vehicle damage and / or loss of vehicle control.



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TOE CHANGE

CAMBER CHANGE

	DECIMAL INCHES	FRACTIONAL INCHES	DECIMAL DEGREES	DEGREES GRADOS	CAMBER CHANGE																								
					POSITIVE										NEGATIVE														
					1 1/2	1 3/8	1 1/4	1 1/8	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
					1.50°	1.38°	1.25°	1.12°	1.0°	.88°	.75°	.62°	.50°	.38°	.25°	.12°	0	.12°	.25°	.38°	.50°	.62°	.75°	.88°	1.0°	1.12°	1.25°	1.38°	1.50°
.75	3/4	1.50°	1°30'											31	31	30	30	29	29										
.72	23/32	1.44°	1°26'							32	32	32	32	32	31	30	28	28											
.68	11/16	1.36°	1°22'							33	33	34	34	33	33	32	31	30	27										
.65	21/32	1.30°	1°18'							34	34	35		34				32	30	28	27								
.62	5/8	1.25°	1°15'							35	35	36		35	35	34		33	31	29	28								
.59	19/32	1.19°	1°11'							35	36	36	36			35	34	33		31	30	29	27						
.56	9/16	1.13°	1°7'							35	36	37		36	36	35	34	33		30	30	29	28	26					
.53	17/32	1.06°	1°4'							35	37	37	37		37	37	36	35		30	30	29	28	25					
.50	1/2	.99°	59'							36	37	38			37	36			31	30	29	27	25						
.47	15/32	.94°	56'							37	38	38	38		37	36			32	31	30	28	26						
.44	7/16	.88°	52'							38	39	39	39		38	37	36		33	32	31	29	27	24					
.41	13/32	.82°	49'							38	39	39	39		38	37	36		34	33	32	30	28	26					
.38	3/8	.75°	45'							39	39	39	39		38	37	36		35	34	33	31	29	27	24				
.35	11/32	.69°	41'							39	38	38	38		37	36	35		36	35	34	32	30	28	23				
.31	5/16	.62°	37'							39	38	38	38		37	36	35		37	36	35	33	31	29	23				
.28	9/32	.55°	33'							39	38	38	38		37	36	35		38	37	36	34	32	30	24				
.25	1/4	.49°	29'							38	38	38	38		37	36	35		38	37	36	34	32	30	24				
.22	7/32	.43°	26'							36	35	35	35		34	33	32		36	35	34	32	30	28	22				
.19	3/16	.38°	22'							39	38	38	38		37	36	35		37	36	35	33	31	29	23				
.16	5/32	.32°	19'							37	35	35	35		34	33	32		36	35	34	32	30	28	22				
.12	1/8	.25°	15'							39	38	38	38		37	36	35		37	36	35	33	31	29	23				
.09	3/32	.19°	11'							37	36	35	35		34	33	32		36	35	34	32	30	28	22				
.06	1/16	.12°	7'							39	37	36	36		35	34	33		37	36	35	33	31	29	23				
.03	1/32	.06°	4'							35	34	34	34		33	32	31		35	34	33	31	29	27	21				
0	0	0	0							0	38	37	37		36	35	34		38	37	36	34	32	30	24				
.03	1/32	.06°	4'							36	35	35	35		34	33	32		37	36	35	33	31	29	23				
.06	1/16	.12°	7'							1	38	37	37		36	35	34		38	37	36	34	32	30	24				
.09	3/32	.19°	11'							39	38	38	38		37	36	35		37	36	35	33	31	29	23				
.12	1/8	.25°	15'							1	2	37	37		36	35	34		38	37	36	34	32	30	24				
.16	5/32	.32°	19'							3	38	37	37		36	35	34		38	37	36	34	32	30	24				
.19	3/16	.38°	22'							2	1	38	38		37	36	35		38	37	36	34	32	30	24				
.22	7/32	.43°	26'							4	39	38	38		37	36	35		38	37	36	34	32	30	24				
.25	1/4	.49°	29'							2	2	39	39		38	37	36		39	38	37	35	33	31	25				
.28	9/32	.55°	33'							4	1	5	39		38	37	36		39	38	37	35	33	31	25				
.31	5/16	.62°	37'							5	1	6	39	39	39	39	39		39	38	37	35	33	31	25				
.35	11/32	.69°	41'							3	3	4	7	8	8	8	8		12	13	12	10	9	8	7				
.38	3/8	.75°	45'							5	2	6	9	0	10	11	0		14	15	14	12	10	9	8				
.41	13/32	.82°	49'							6	2	8	9	1	10	11	0		14	15	14	12	10	9	8				
.44	7/16	.88°	52'							4	4	7	2	10	11	1	1		13	14	13	11	9	8	7				
.47	15/32	.94°	56'							6	3	8	2	10	11	2			14	15	14	12	10	9	8				
.50	1/2	.99°	59'							5	4	7	3	10	11	2			13	14	13	11	9	8	7				
.53	17/32	1.06°	1°4'							5	5	8	3	9	3				14	15	14	12	10	9	8				
.56	9/16	1.13°	1°7'							6	5	8	4	10	3				15	16	15	13	11	9	8				
.59	19/32	1.19°	1°11'							7	5	9	4	10	4				15	16	15	13	11	9	8				
.62	5/8	1.25°	1°15'							8	5	9	5	11	5				16	17	16	14	12	10	9				
.65	21/32	1.30°	1°18'							7	6	8	6	10	5				16	17	16	14	12	10	9				
.68	11/16	1.36°	1°22'							7	7	9	6	10	6				17	18	17	15	13	11	10				
.72	23/32	1.44°	1°26'							8	8	9	8	10	8				17	18	17	15	13	11	10				
.75	3/4	1.50°	1°30'							9	9	10	9	10	9				18	19	18	16	14	12	11				