

Specifications LEAF SPRINGS

LEAF SPRING SPECIFICATIONS									
Part #	Eye to Eye Dimension	Free Height Dimension	Eye to Center Pin Front	Eye to Center Pin Rear	Eye (F/R) Diameters	# of Leafs Per Pack	Width	Weight	Center Pin Size
001201	45.500	3.313	23.250	23.250	1.5/1.125	5	2.5	44.55	3/8
001401	45.125	4.750	23.000	22.125	1.5/1.125	5	2.5	40.00	3/8
001402	43.000	4.500	22.250	22.250	1.5/1.125	6	2.5	48.75	3/8
001408*	52.875	10.000	26.500	31.000	RB136/RB136	6	2.5	71.10	3/8
001409	48.875	10.000	26.625	27.625	1.5/1.5	6	2.5	55.85	3/8
001509*	60.500	11.50	32.50	33.25	RB250/RB172	5	2.5	78.90	3/8
001551	44.500	6.750	23.500	24.000	1.5/1.125	6	2.5	48.55	3/8
001559	61.000	10.75	32.500	33.500	1.5/1.5	5	2.5	76.00	3/8
001608*	52.250	11.500	26.750	31.375	RB136/RB136	6	2.5	73.25	3/8
001609	48.250	11.000	26.500	28.000	1.5/1.5	6	2.5	60.15	3/8
001801	43.750	8.500	24.000	24.000	1.5/1.125	5	2.5	44.56	3/8
001809	48.000	13.500	27.875	29.125	1.5/1.5	6	2.5	67.05	3/8
002209*	56.250	10.000	28.375	32.250	RB158/RB158	5	3	78.00	1/2
002458*	56.250	10.500	28.750	32.500	RB158/RB158	5	3	76.00	1/2
002459*	56.750	9.750	28.500	32.500	RB136/RB136	5	2.5	65.00	3/8
002501	46.000	5.500	23.375	24.375	1/1	5	2.5	78.00	3/8
002506*	58.500	12.00	31.875	34.125	RB136/RB136	5	2.5	76.00	3/8
002508*	60.875	10.25	30.750	31.750	RB227/RB227	7	3.0	102.00	1/2
002509	49.000	9.875	25.000	29.000	1/1	5	2.5	49.60	3/8
003202*	52.375	6.125	27.000	27.628	1.98/1.98	5	3	71.00	7/16
003208*	52.250	7.50	24.000	31.000	RB158/RB152	6	3	79.00	7/16
003401*	50.500	6.500	24.375	28.625	RB155/RB155	5	3	73.00	7/16
003402*	52.375	8.130	27.750	28.375	RB198/RB132	5	3	74.00	7/16
003408*	52.875	9.375	25.000	32.000	RB158/RB152	6	3	80.00	7/16
003509	54.000	11.000	26.000	32.250	1.48/1.48	5	3	71.50	1/2
003559	54.25	13.00	27.750	34.750	1.5/1.5	5	2.5	68.00	7/16
003602*	52.75	8.250	28.000	28.375	RB198/RB132	10	3	98.00	7/16
003608*	52.000	11.250	25.500	32.750	RB158/RB152	6	3	81.00	7/16
003609*	53.000	10.750	25.250	33.000	RB227/RB158	5	3	94.80	7/16
003619*	63.000	12.50	33.00	36.750	RB177/RB176	5	3	111.00	7/16
003802*	52.000	9.500	28.000	28.500	RB198/RB132	10	3	104.00	7/16
003809*	53.000	12.750	26.250	34.000	RB227/RB158	5	3	96.80	3/8
003819*	61.500	14.50	34.00	36.50	RB177/RB178	5	3	115.00	7/16
004200	43.000	6.500	22.875	22.875	1.5/1.5	4	2.5	30.70	5/16
004209	48.625	7.25	23.000	28.750	2.5/1.75	7	2.5	51.00	5/16
004251	42.500	6.000	22.250	22.375	1.5/1	5	2	28.65	5/16
004252*	38.250	5.250	20.250	20.250	RB145/RB85	6	1.75	33.85	3/8
004258*	44.125	6.125	23.250	23.250	RB145/RB145	6	1.75	33.85	3/8
004259	42.750	6.000	22.625	22.625	1.5/1	5	2.5	35.05	5/16
004351	42.500	8.000	23.500	23.500	1.5/1.5	5	2.5	31.40	5/16
004359	42.250	8.000	23.250	23.250	1.5/1.5	4	2.5	28.60	5/16
004401	41.000	8.750	22.625	23.250	1/1.5	5	2	26.85	3/8
004402*	44.500	8.000	22.875	25.875	1.5/1.25	6	2.5	53.10	3/8
004408*	53.625	9.625	26.500	31.500	1.5/1.5	5	2.5	66.40	3/8
004409	42.000	8.500	23.250	23.250	1.5/1	4	2.5	36.45	3/8
004500	41.875	10.000	23.375	24.500	1.5/1.5	5	2.5	38.60	5/16
004509	48.625	9.750	24.375	30.125	2.5/1.75	7	2.5	51.00	5/16
007401	35.250	5.250	18.675	18.825	1.2/1.6	3	2	15.65	5/16
007409	37.000	6.500	20.125	20.375	1.6/1.2	3	2	18.00	5/16

* Includes OE style bushings installed.

See page 103 for spring bushing kits. Order one bushing kit per spring.

Specifications ADD-A-LEAF, COIL SPRING

SPECIFICATIONS



ADD-A-LEAF SPECIFICATIONS

Part #	Free Arch	Length	Width	Thickness
111209	6.75	38.38	2.50	0.32
113201	4.00	52.00	3.00	0.40
113206	8.00	37.75	3.00	0.32
113207	7.00	40.75	2.25	0.36
113208	7.75	42.25	3.00	0.32
113209-1	7.75	42.25	3.00	0.32
113209-2	8.00	46.25	3.00	0.32
113219	7.75	42.25	3.00	0.32*
114201	5.63	40.50	2.00	0.32
114202	6.75	42.00	2.50	0.26
114208	3.00	27.50	2.50	0.32
114209	7.38	38.13	2.50	0.32
119151	8.00	41.50	2.50	0.36
119157	6.88	45.25	2.50	0.38
119158	2.50	28.50	2.25	0.63
119159	2.25	20.00	2.25	0.40

* Dual center pin holes



COIL SPRING SPECIFICATIONS

Part #	Diam.	Rate	Length	I.D.
032501	0.812	365	20.50	Conical
032503	0.843	500	23.00	Conical
032601	0.843	365	23.625	Conical
032801	0.875	380/525	26.00	5.00"
033201	0.718	395	17.00	4"
033401	0.781	455	19.25	4"
033402	0.718	410	18.25	3.5"
033403	0.750	415	20.00	4"
033404	0.812	485	20.00	4"
033411	0.843	425	23.875	4.17"
033412	0.812	385	23.50	4.17"
033601	0.812	455	21.25	6"
033602	0.718	410	20.00	6"
033603	0.781	400	22.25	4"
033604	0.843	510	21.85	4"
033609	0.812	265/380	24.00	5.125"
033611	0.843	425	25.875	4.17"
033612	0.843	385	25.50	4.17"
033811	0.875	425	27.875	4.17"
033812	0.843	385	27.500	4.17"
034201	0.625	435	15.00	3.2"
034202	0.562	180	18.375	4.00"
034203	0.593	240	15.88	3.85"
034204	0.563	158	18.50	4"
034205	0.593	210	12.75	4.5"
034206	0.625	200	13.75	5.375"
034207	0.656	240	14.00	4.66"
034208	0.562	200	15.63	4"
034209	0.593	180	16.00	4"
034211	0.625	240	17.25	4"
034301	0.625	240	18.50	4"
034302	0.563	158	19.50	4"
034308	0.625	200	14.75	5.375"
034311	0.593	160	18.875	4"
034319	0.593	180	17.00	4"
034359	0.656	240	15.500	4.66"
034401	0.625	240	18.250	3.85"
034409	0.593	200	17.625	4.05"
034411	0.593	175	19.75	4.00"
034419	0.53	180	18.00	4.00"
034451	0.594	175	20.50	4.02"
034452	0.656	240	20.13	4.03"
034453	0.687	240	20.875	4.03"
034459	0.656	200	15.75	5.375"
034611	0.625	175	21.75	4"
034619	0.625	180	20.375	4"
034651	0.656	225	21.875	4"
034652	0.687	240	21.750	4.03"
034653	0.687	240	22.875	4.03"
034658	0.625	200	19.625	4.05"
034659	0.718	250	17.25	5.375"
034852	0.687	240	23.75	4"
037201	0.526	340	14.00	2.84"
037209	0.526	280	15.75	3.25"
038209	0.656	185	16.75	5.15"

Note: All coil springs are black powder coated and are sold in pairs.

Specifications 4WD ALIGNMENT (FRONT)

Model	Year	Left Caster	Right Caster	Camber	Total Toe
CHEVROLET/GMC					
Avalanche 2500	01-06	4.10° ± 1.00°	4.70° ± 1.00°	0.25° ± 0.50°	0.10° ± 0.20°
S-Series Pickup, Blazer ZR2	00-03	2.80° ± 1.00°	3.30° ± 1.00°	0.00° ± 1.00°	0.05" ± 0.10"
S-Series Pickup, Blazer ZR2	95-99	3.00° ± 1.00°	3.00° ± 1.00°	0.00° ± 0.50°	0.05" ± 0.05"
S-Series Pickup, Blazer ZR2	88-94	3.00° ± 1.00°	3.00° ± 1.00°	1.50° ± 1.50°	0.25" ± 0.20"
Silverado/Sierra 1500—Regular & Ext Cab	99-06	3.50° ± 1.00°	4.50° ± 1.00°	0.25° ± 0.50°	0.05" ± 0.10"
Silverado/Sierra 1500—Crew Cab	99-06	4.25° ± 1.00°	4.75° ± 1.00°	0.25° ± 0.50°	0.05" ± 0.10"
K1500 Pickup	07-12	3.40° ± 1.00°	3.20° ± 1.00°	0.10° ± 0.60°	0.05" ± 0.10"
K1500 Pickup	88-98	3.00° ± 1.00°	3.00° ± 1.00°	0.65° ± 0.50°	0.12" ± 0.10"
K2500, K2500 HD	01-10	4.25° ± 1.00°	4.50° ± 1.00°	0.25° ± 0.50°	0.05" ± 0.10"
K10, K20, K30 Pickup	77-87	8.00° ± 1.00°	8.00° ± 1.00°	1.50° ± 0.75°	0.12" ± 0.05"
K10, K20 Pickup	63-76	4.00° ± 1.00°	4.00° ± 1.00°	1.00° ± 0.50°	0.00" ± 0.06"
Suburban/Tahoe, Avalanche, Escalade 1500	00-06	3.50° ± 1.00°	4.50° ± 1.00°	0.25° ± 0.50°	0.05" ± 0.10"
Suburban 1500/2500 6-Lug, Tahoe, Yukon 1500	92-99	3.00° ± 1.00°	3.00° ± 1.00°	0.65° ± 0.50°	0.12" ± 0.10"
Trailblazer	04-09	3.90° ± 0.60°	4.10° ± 0.60°	-0.50° ± 0.50°	0.10" ± 0.20°
Suburban 10, 20	77-91	8.00° ± 1.00°	8.00° ± 1.00°	1.50° ± 0.75°	0.12" ± 0.05"
Suburban 10, 20	63-76	4.00° ± 1.00°	4.00° ± 1.00°	1.00° ± 0.50°	0.00" ± 0.06"
Blazer, Jimmy Full Size	77-91	8.00° ± 1.00°	8.00° ± 1.00°	1.50° ± 0.75°	0.12" ± 0.05"
Blazer, Jimmy Full Size	69-76	4.00° ± 1.00°	4.00° ± 1.00°	1.00° ± 0.50°	0.00" ± 0.06"
DODGE					
Ram 1500	06-12	3.35° ± 0.75°	3.75° ± 0.75°	0.10° ± 0.50°	0.10" ± 0.50"
Ram 1500 Mega Cab	06-08	4.00° ± 0.50°	4.00° ± 0.50°	0.15° ± 0.25°	0.188" ± 0.063"
Ram 1500	02-05	4.00° ± 0.75°	4.00° ± 0.75°	0.00° ± 0.50°	0.10" ± 0.10"
Ram 2500	03-12	4.50° ± 0.50°	4.50° ± 0.50°	0.15° ± 0.25°	0.188" ± 0.063"
Ram 1500, 2500 Pickup	00-02	2.95° ± 1.00°	2.95° ± 1.00°		0.188" ± 0.063"
Ram 1500, 2500 Pickup—Std., Club & Quad Cab	94-99	3.48° ± 1.00°	3.48° ± 1.00°	0.25° ± 0.50°	0.188" ± 0.063"
(W) D150-350 Pickup	83-93	2.00° ± 1.50°	2.00° ± 1.50°	0.00° ± 0.50°	0.10" ± 0.13"
(W) D100-200—Except 200HD	71-82	3.00° ± 0.50°	3.00° ± 0.50°	1.50° ± 0.25°	0.00" ± 0.13"
(W) D100-200—Except 200HD	69-70	1.50° ± 0.50°	1.50° ± 0.50°	3.00° ± 0.25°	0.06" ± 0.06"
FORD					
Excursion	00-05	3.50° ± 2.00°	3.50° ± 2.00°	0.25° ± 1.00°	0.02" ± 0.13"
F-250, F-350	05-12	3.50° ± 1.50°	3.50° ± 1.50°	0.15° ± 0.45°	0.188" ± 0.063"
F-250, F-350 Super Duty	99-04	3.50° ± 2.00°	3.50° ± 2.00°	0.25° ± 1.00°	0.02" ± 0.13"
F150	04-08	4.30° ± 1.00°	4.30° ± 1.00°	-0.20° ± 0.75°	0.15" ± 0.25"
F-150	97-03	4.60° ± 1.00°	5.30° ± 1.00°	-0.10° ± 0.70°	0.10" ± 0.13"
Expedition	97-02	5.00° ± 1.00°	5.00° ± 1.00°	-0.30° ± 0.75°	0.14" ± 0.20"
F-150, Bronco Full Size	89-96	Min. = 2.00° Max. = 6.00°	Min. = 2.00° Max. = 6.00°	0.25° ± 0.50°	0.03" ± 0.13"
F-150	80-88	Min. = 2.50° Max. = 7.50°	Min. = 2.50° Max. = 7.50°		0.03" ± 0.13"
F-100, F-150	73-79	3.50° ± 0.75°	3.50° ± 0.75°	1.50° ± 0.50°	0.09" ± 0.06"
Bronco	78-79	3.50° ± 0.75°	3.50° ± 0.75°	1.50° ± 0.50°	0.09" ± 0.06"
Ranger	93-97	Min. = 2.00° Max. = 6.00°	Min. = 2.00° Max. = 6.00°	0.25° ± 0.50°	0.03" ± 0.13"
Ranger—with Dana 35 & 28	89-92	Min. = 2.50° Max. = 6.00°	Min. = 2.50° Max. = 6.00°	0.25° ± 1.00°	0.00" ± 0.13"
Ranger	83-88	Min. = 2.50° Max. = 6.30°	Min. = 2.50° Max. = 6.30°	Min. = -0.05°	0.03" ± 0.13"
JEEP					
Liberty	02-07	3.875° ± 0.50°	3.875° ± 0.50°	-0.375° ± 0.38	0.12" ± 0.06"
Commander XK	05-07	4.00° ± 0.45°	4.00° ± 0.45°	1.25° ± 0.50°	0.25" ± 0.20"
Grand Cherokee WK	05-07	4.00° ± 0.45°	4.00° ± 0.45°	1.25° ± 0.50°	0.25" ± 0.20"
Grand Cherokee WJ	99-04	6.75° ± 0.75°	6.75° ± 0.75°	-0.37° ± 0.38	0.10" ± 0.03"
Grand Cherokee ZJ	93-98	5.00° ± 0.50°	5.00° ± 0.50°	-0.50° ± 0.63°	0.12" ± 0.10"
Cherokee XJ	95-01	5.00° ± 1.50° -1.75°	5.00° ± 1.50° -1.75°	-0.25° ± 0.75° -0.50°	0.188" ± 0.063"
Cherokee XJ	84-94	7.50° ± 0.50°	7.50° ± 0.50°	0.00° ± 0.50° -0.75°	0.188" ± 0.063"
Comanche MJ	86-91	7.50° ± 0.50°	7.50° ± 0.50°	0.00° ± 0.50° -0.75°	0.00" ± 0.06"
Wrangler JK	07-12	4.20° ± 0.50°	4.20° ± 0.50°	-0.25° ± 0.37°	0.12" ± 0.060"
Wrangler TJ	97-06	5.00° ± 1.00°	5.00° ± 1.00°	0.25° ± 0.63°	0.188" ± 0.063"
Wrangler YJ	87-95	8.00° ± 0.25°	8.00° ± 0.25°	0.00° ± 0.50°	0.188" ± 0.063"
CJ7, CJ8	81-86	6.00° ± 1.00°	6.00° ± 1.00°	0.00° ± 0.50°	0.07" ± 0.02"
CJ5, CJ6, CJ7, CJ8	72-80	3.00° ± 1.00°	3.00° ± 1.00°	1.50° ± 0.50°	0.07" ± 0.02"
Grand Wagoneer, Grand Cherokee SJ	74-90	4.00° ± 0.50°	4.00° ± 0.50°	0.00° ± 0.50°	0.06" ± 0.16"
SUZUKI					
Samurai	85-95	3.50° ± 1.00°	3.50° ± 1.00°	1.00° ± 0.75°	0.15" ± 0.10"
TOYOTA					
T100 Pickup	93-98	0.92° ± 0.75°	0.92° ± 0.75°	0.58° ± 0.75°	0.07" ± 0.10"
Pickup	86-95	1.90° ± 0.50°	1.90° ± 0.50°	0.73° ± 0.50°	0.09" ± 0.10"
4-Runner	86-89	1.90° ± 0.50°	1.90° ± 0.50°	0.73° ± 0.50°	0.09" ± 0.10"

Note: Specifications listed are front only.

Specifications INSTALLATION TIME & TIRE SIZE GUIDE

CHEVROLET/GMC

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Knuckle	Back-spacing	Foot Notes
2007-10 1/2 Ton Silverado/Sierra 4WD							
	4"	8-10	33" x 12.50"	17x9		5"	C, D
	4"	8-10	33" x 12.50"	20x9		5.75"	C, D
	6"	8-10	35" x 12.50"	17x9		5"	C, D
	6"	8-10	35" x 12.50"	20x9		5.75"	C, D
1999-06 1/2 Ton Silverado/Sierra 4WD							
	4.5"	8-10	33" x 12.50"	16x8		4.5"	C, D
	4.5"	8-10	33" x 12.50"	17/18x9		5"	C, D
	4.5"	8-10	33" x 12.50"	20x9		5.75"	C, D
	6.5"	8-10	35" x 12.50"	16x8		4.5"	C, D
	6.5"	8-10	35" x 12.50"	17/18x9		5"	C, D
	6.5"	8-10	35" x 12.50"	20x9		5.75"	C, D
2011-12 K2500 HD 4WD							
	6.5"	8-10	37" x 12.50"	17/18x9		4.625"	C, D
	6.5"	8-10	37" x 12.50"	20x9		6"	C, D
2001-10 3/4 Ton K2500 HD 2WD & 4WD							
Old Body Style	4.5"	8-10	35" x 12.50"	16x8		4.5"	C, D
Old Body Style	4.5"	8-10	35" x 12.50"	17/18x9	NT	5"	C, D
Old Body Style	4.5"	8-10	35" x 12.50"	17/18x9	STD	5.5"	C, D
Old Body Style	4.5"	8-10	35" x 12.50"	20x9		5.75"	C, D
Old Body Style	7"	8-10	35" x 12.50"	16x8		4.5"	C, D
Old Body Style	7"	8-10	37" x 12.50"	17/18x9	NT	5"	C, D
Old Body Style	7"	8-10	37" x 12.50"	17/18x9	STD	5.5"	C, D
Old Body Style	7"	8-10	37" x 12.50"	20x9		5.75"	C, D
New Body Style	4.5"	8-10	33" x 12.50"	17/18x9	NT	5"	C, D
New Body Style	4.5"	8-10	33" x 12.50"	17/18x9	STD	5.5"	C, D
New Body Style	4.5"	8-10	33" x 12.50"	20x9		5.75"	C, D
New Body Style	7"	8-10	35" x 12.50"	17/18x9	NT	5"	C, D
New Body Style	7"	8-10	35" x 12.50"	17/18x9	STD	5.5"	C, D
New Body Style	7"	8-10	35" x 12.50"	20x9		5.75"	C, D
2001-06 K2500 Non-HD, K2500 Suburban, Avalanche 4WD							
	6"	8-10	33" x 12.50"	16x8		4.5"	C, D
	6"	8-10	35" x 12.50"	17x9		5"	C, D
	6"	8-10	35" x 12.50"	20x9		5.75"	C, D
2007-10 Tahoe, Yukon, Suburban, Avalanche, K1500 4WD							
	4"	8-10	33" x 12.50"	17x9		5"	C, D
	4"	8-10	33" x 12.50"	20x9		5.75"	C, D
	6"	8-10	34" x 12.50"	17x9		5"	C, D
	6"	8-10	35" x 12.50"	20x9		5.75"	C, D
1999-06 Tahoe, Yukon, Suburban, Avalanche, K1500 4WD							
	4.5"	6-8	32 x 11.50"	16x8		4.5"	C, D
	4.5"	6-8	33 x 12.50"	17x9		5"	C, D
	4.5"	6-8	33 x 12.50"	20x9		5.75"	C, D
	6"	8-10	33" x 12.50"	16x8		4.5"	C, D
	6"	8-10	33" x 12.50"	17x9		5"	C, D
	6"	8-10	35" x 12.50"	20x9		5.75"	C, D
1988-98 1/2 Ton K1500, K2500 4WD							
1992-98 Tahoe, Yukon, Suburban 1500 4WD							
	6"	6-8	35 x 12.50"	15x8		3-5/8"	B, C
	6"	6-8	35 x 12.50"	16x8		4.5"	B, C
	6"	6-8	35 x 12.50"	17x9		4.5	B, C
Rear Block & Add-A-Leaf	6"	6-8	35" x 12.50"	20x9		5.25"	B, C
2002-09 Trailblazer							
Rear Coil Mount	2"	3-4	30" x 9.50"	17x7		OEM	D
1995-04 S-series ZR2							
Rear Axle Flip	5"	10-12	32" x 12.50"	15x8		5"	B
1995-05 S-10 4WD							
Rear Axle Flip	5"	10-12	31" x 10.50"	15x8		5-6"	B
1988-94 S-10 4WD							
Rear Axle Flip	5"	10-12	32" x 11.50"	15x8		5-6"	B

Note:

1. Due to the amount of lift achieved by BDS Systems you may encounter tire to fender/flare interference.
2. NT = Narrow Track Knuckle, STD = Standard Knuckle

See Notes ►

continued ►

CHEVROLET/GMC

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
1973-91 Blazer, Jimmy, Suburban 4WD						
Without Rear Springs	2.5"	4	33" x 12.50"	15x8	3.5"	
With Rear Springs & Steering Arm	2.5"	5-6	33" x 12.50"	15x8	3.5"	
Without Rear Springs	4"	4	33" x 12.50"	15x8	3.5"	
With Rear Springs & Steering Arm	4"	5-6	33" x 12.50"	15x8	3.5"	
Without Rear Springs	6"	4	36" x 15"	15x10	3.5"	
With Rear Springs & Steering Arm	6"	5-6	36" x 15"	15x10	3.5"	
With Rear Springs	8"	7-8	38" x 15"	15x10/15x12	3.5"	
1969-72 1/2, 3/4 Ton PU, Blazer, Jimmy 4WD						
Without Rear Springs	4"	4	33" x 12.50"	15x8	3.5"	
With Rear Springs	4"	5-6	33" x 12.50"	15x8	3.5"	

DODGE

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
2009-12 1/2 Ton Pickup 4WD						
	4"	8	35 x 12.50"	17x9	4.5"	C
	4"	8	35 x 12.50"	18x9	5"	C
	4"	8	35 x 12.50"	20x9	5"	C
	6"	8-10	37" x12.50"	17x8	4.5"	C
	6"	8-10	37" x12.50"	18x9	5"	C
	6"	8-10	37" x12.50"	20x9	5"	C
2006-08 1/2 Ton Pickup 4WD						
Front Leveling Kit	2"	3	33" x 12.50"	17x9	4.5"	
Rear Block Kit	4"	8-10	35 x 12.50"	17x9	4.5"	C
	4"	8-10	35 x 12.50"	18x9	5"	C
	4"	8-10	35 x 12.50"	20x9	5"	C
	6"	8-10	37 x 12.50"	17x9	4.5"	C
	6"	8-10	37 x 12.50"	18x9	5"	C
	6"	8-10	37 x 12.50"	20x9	5"	C
2002-05 1/2 Ton Pickup 4WD						
	4"	8	35" x 12.50	17x9	4.5"	C
	4"	8	35" x 12.50	20x9	5"	C
With Rear Block	6"	8-10	36" x 12.50"	17x9	4.5"	C
With Rear Spring	6"	8-10	36" x 12.50"	20x9	5"	C
1994-01 1/2 Ton Pickup 4WD						
Rear Block & Add-A-Leaf	3"	3-4	33" x 12.50"	16x8	3.5"-4"	
Rear Shackle Inversion	5"	6-8	35" x 12.50"	16x8	3.5"-4"	B
Rear Springs	5"	8-10	35" x 12.50"	16x8	3.5"-4"	
2003-12 3/4 Ton Pickup 4WD						
Front Coil Spacer	2"	4	33" x 12.50"	17x9	5"	
Front Coil Spacer & Rear Block	3"	5	33" x 12.50"	17x9	5"	
Front Coil & Rear Block	6"	6-8	36" x 12.50"	17x9	4.5"	
Front Coil & Rear Block	8"	6-8	39" x 14.00"	17x9	4.5"	
1994-02 3/4 Ton V8/V10 Gas Pickup 4WD						
Front Spacers	2"	4-6	33" x 12.50"	16x8	4"	
Rear Block & Add-A-Leaf	5"	6-8	35" x 12.50"	16x8	4"	
Rear Springs	5"	8-10	35" x 12.50"	16x8	4"	
1994-02 3/4 Ton Diesel Pickup 4WD						
Front Spacers	2"	4	33" x 12.50"	16x8, 16x10	4"	
Front Spacers & Rear Springs	2"	6-8	33" x 12.50"	16x8, 16x10	4"	
Rear Block & Add-A-Leaf	4.5"	8-10	35" x 12.50"	16x8, 16x10	4"	
Rear Springs	4.5"	8-10	35" x 12.50"	16x8, 16x10	4"	
1969-93 1/2, 3/4 Ton Pickup 4WD						
Without Rear Springs	5"	5-6	35" x 12.50"	15x8/15x12	3.5"-4"	
With Rear Springs	5"	5-6	35" x 12.50"	15x8/15x12	3.5"-4"	

FORD

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
1973-79 F-100, F-150 4WD						
Rear Block Kit	4"	6	33" x 12.50"	15x8	3.5"	A
Rear Block and Add-A-Leaf	6"	6	35" x 12.50"	15x8/15x10	3.5"	A
1978-79 Bronco 4WD						
Rear Block	4"	6	33" x 12.50"	15x8	3.5"	A
Rear Block and Add-A-Leaf	6"	6	35" x 12.50"	15x8/15x10	3.5"	A
1983-97 Ranger 4WD						
Rear Block & Add-A-Leaf	4"	6	31" x 10.50"	15x7/15x8	3.5"	A
Rear Block & Add-A-Leaf	6"	6	33" x 10.50"	15x8	3.5"	A
1982-91 Bronco II 4WD						
Rear Block & Add-A-Leaf	4"	6	31" x 10.50"	15x8	3.5"	A
Rear Block & Add-A-Leaf	6"	6	33" x 10.50"	15x8	3.5"	A

Specifications INSTALLATION TIME & MAXIMUM TIRE SIZE GUIDE

FORD

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
2009-12 F150 4WD/2WD						
Upper Strut Mount	2.5"	2	35" x 12.50"	17x9	5.5-6.5"	
Rear Block Kit	6"	10	37" x 13.50"	18 or 20x9	5.5"	
2004-08 F150 4WD						
	2"	3	33x12.50"	17x9	4-5.8"	
	6"	8-10	35 x 12.50"	17x9	4-5/8"	D
	6"	8-10	36 x 13.50"	20x9	5.5"	D
	8"	10-12	37 x 12.50"	17x9	4-5/8"	D
	8"	10-12	37" x 13.50"	20x9	5.5"	D
1997-03 F-150 4WD						
Rear Block & Add-A-Leaf	6"	8-10	35" x 12.50"	16x8	4.5"	C
1998-02 Expedition 4WD						
Rear Coil & 4-Link	6"	8-10	35" x 12.50"	16x8	4.5"	C
1980-96 F-100, F-150 4WD						
Front Coils	1-2"	2	30" x 9.50"	15x8	3.5"	A
Front Coils & Brackets	4"	7-8	33" x 12.50"	15x8	3.5"	A
Front Coils & Brackets	6"	7-8	35" x 12.50"	15x8/15x10	3.5"	A
1980-96 Bronco Full Size						
Front Coils	1-2"	2	30" x 9.50"	15x8	3.5"	A
Front Coils & Brackets	4"	7-8	33" x 12.50"	15x8	3.5"	A
Front Coils & Brackets	6"	7-8	35" x 12.50"	15x8/15x10	3.5"	A
2005-12 F-250, 350 Super Duty						
Spacer Kit	1"	2-3	32" x 12.50"	17x9	4.5"	
Spacer Kit	2"	3-4	33" x 12.50"	17x9	4.5"	
Rear Springs	4"	6-8	35" x 12.50"	17x9	4.5"	C
Rear Springs	6"	6-8	37" x 12.50"	17x9	4.5"	C
Rear Springs	8"	8-9	38" x 15.50"	17x9	4.5"	E
1999-04 F-250, 350 Super Duty						
Shackle Hanger Kit	2.5"	4-5	33" x 12.50"	16x8/16x10	4"	
Front Springs	2.5"	4	33" x 12.50"	16x8/16x10	4"	
Rear Block & Add-A-Leaf	4"	6-8	35" x 12.50"	16x10	4"	
Rear Springs	6"	8-10	36" x 13.50"	16x10	4"	
Rear Springs	8"	8-10	38" x 12.50/14.50"	16x10/16x12	4"-4.5"	
2000-03 Excursion 4WD Gas and Diesel						
Front Spring & Rear Block	4"	5-6	33" x 12.50"	16x8/16x10	4"	
Front & Rear Springs	4"	6-8	33" x 12.50"	16x8/16x10	4"	
Rear Block & Add-A-Leaf	6"	6-8	35" x 12.50"	16x10	4"-4.5"	
Rear Springs	6"	8-10	35" x 12.50"	16x10	4"-4.5"	
Rear Springs	8"	8-10	36" x 12.50/13.50"	16x10	4"-4.5"	
Rear Springs	10"	8-10	38" x 12.50/14.50"	16x10/16x12	4"-4.5"	
1980-96 F-250 TTB Front Axle 4WD						
Rear Block & Add-A-Leaf	4"	7-8	35" x 12.50"	16x8	4"	A
1986-97 F-350 w/ Monobeam Front Axle						
Rear Block & Add-A-Leaf	4"	7-8	35" x 12.50"	16x8	4"	

JEEP

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
1953-75 CJ5, CJ6, M38A1						
Front & Rear Leaf Springs	2.5"	4-5	31" x 10.50"	15x7	3.5"	
1974-90 J10, J20 Large Wagoneer, Cherokee FS						
Without Rear Leaf Springs	4"	4-5	33" X 12.50"	15x8	3.5"	
With Rear Leaf Springs	4"	4-5	33" x 12.50"	15x8	3.5"	
1976-86 CJ5, CJ7, Scrambler						
Front & Rear Leaf Springs	2.5"	5-6	32" x 11.50"	15x8	3.5"	
Front & Rear Leaf Springs	4"	5-6	33" x 12.50"	15x8	3.5"	
1987-95 Wrangler YJ						
Front & Rear Leaf Springs	2"	6	31" x 10.50"	15x8	3.5"	
Front & Rear Leaf Springs	3.5"	6	33" x 12.50"	15x8	3.5"	
Front & Rear Leaf Springs	4.5"	8	33" x 12.50"	15x8	3.5"	
Front & Rear Leaf Springs	5"	8	33" x 12.50"	15x8	3.5"	
Front & Rear Leaf Springs	6"	8	35" x 12.50"	15x8	3.5"	
1984-01 Cherokee XJ						
Front Spacer & Rear Block	1.75"-2"	4	30" x 9.50"	15x7	3.5"-4"	
Front Coil & Rear Add-A-Leaf	3"	4-5	31" x 10.50"	15x8	3.5"-4"	C
Front Coil & Rear Springs	3"	5-6	31" x 10.50"	15x8	3.5"-4"	C
Front Coil & Rear Springs	4.5"	8	32" x 11.50"	15x8	4.75"	
Front Coil & Rear Springs	6.5"	10	33" x 12.50"	15x8	4.5"	
Front Coil & Rear Springs	8.5"	10	35" x 12.50"	15x8	4.5"	C

Specifications INSTALLATION TIME & MAXIMUM TIRE SIZE GUIDE

JEEP

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
1993-98 Grand Cherokee ZJ						
Front & Rear Coil Spacers	1.75"-2"	4	30" x 9.50"	15x7	3.5"	
Front & Rear Coil Springs	3"	6	31" x 10.50"	15x8	3.5"	C
Front & Rear Coil Springs	4.5"	10	31" x 10.50"	15x8	4.5"	C
Front & Rear Coil Springs	6.5"	10	33" x 12.50"	15x8	4.5"	C
2007-10 Wrangler JK						
Front & Rear Coil Spacers	2"	4	33" x 12.50"	16x8	4.5"	
Front & Rear Coils	3"	6	35" x 12.50"	16x8	4.5"	
Front & Rear Coils	4.5"	8	37" x 12.50"	16x8	4.5"	
Front & Rear Coils	5.5/6.5"	10-12	37" x 12.50"	16x8	4.5"	
1997-06 Wrangler TJ						
Front & Rear Coil Spacers	1.75"	2	32" x 11.50"	15x8/16x8	3.5"	
Front & Rear Coils	2"	4	32" x 10.50"	15x8/16x8	3.5"	
Front & Rear Coils	3"	6-8	33" x 12.50"	15x8/16x8	3.5"	
Front & Rear Coils	4.5"	8	33" x 12.50"	15x8/16x8	3.5"	
Front & Rear Coils	6.5"	10	35" x 12.50"	15x8/16x8	3.5"	
1999-2004 Grand Cherokee WJ						
Front & Rear Coil Springs	2"	5	31" x 10.50"	15x8/16x8	4.5-6"	
Front & Rear Coil Springs	4"	6	31" x 10.50"	15x8/16x8	4.5-6"	
2002-2007 Liberty KJ						
Front & Rear Coil Springs	2"	5	30" x 9.50"	16x8	5-1/4"	
2005-2006 Grand Cherokee WK						
Front Strut Spacer	2"	5	30" x 10.50"	17x8	6"	
Front Strut Spacer	4"	8	32" x 11.50"	17x8	5.5"	C

TOYOTA

Application	Amount of Lift	Installation Time (Hr)	Tire Size	Wheel Size	Back-spacing	Foot Notes
2007-10 Toyota Tundra						
Front Strut Mount	3"	3	33" x 12.50"	18x8	6.25"	
IFS System	4.5"	10	35" x 12.50"	18"	5.5"	
IFS System	4.5"	10	35" x 12.50"	20"	6.25"	
IFS System	7"	10	37" x 12.50"	18"	5.5"	
IFS System	7"	10	37" x 12.50"	20"	6.25"	
2000-06 Toyota Tundra						
Front Strut Mount & Rear Block	2.5"	6	32" x 11.50"	16x8	5"	
1995.5-04 Toyota Tacoma						
Front Strut Mount & Rear Add-A-Leaf	2.5"	6	32" x 11.50"	16x8	5"	
2007-10 FJ Cruiser						
Front Strut Mount - Rear Coil	3"	5	285/75 R16	16x8	Stock	
1986-95 Toyota Pickup 4WD						
Front Torsion Bars & Rear Block	4"	8	35" x 12.50"	15x8	3.5"	
1993-98 Toyota T100 Pickup 4WD						
Front Torsion Bars & Rear Block	4"	8	33" x 12.50"	15x8	3.5"	

NISSAN

2004-10 Titan						
Front Strut Mount	2.5"	3	33" x 12.50"	17x9	5"	

SUZUKI

1985-95 Suzuki Samurai						
Front & Rear Leaf Springs	4"	4	31" x 10.50"	15x8	3.5"	
1988-98 Suzuki Sidekick 2dr						
Front & Rear Coil Springs	2"	5	235-75R15	15x7	3.5"	

Note: Due to the amount of lift achieved by BDS Systems you may encounter tire to fender/flare interference.

THIS GUIDE IS TO BE USED STRICTLY AS A REFERENCE!

Footnotes

- A. May require new alignment eccentrics to align after kit installation.
- B. Exhaust modification is required.
- C. Minor trimming required.
- D. If equipped with factory 17" wheels, then must replace with after-market 17" wheels. Do not downsize from any OEM wheel size!
- E. Bumper spacer kit #123020 required to run 38" tires.

The times mentioned above are estimates. Actual installation time will vary. Add extra time for wheel alignment, exhaust modification and driveshaft modification. These times are based on installation performed by an ASE certified mechanic who is familiar with the particular kit, has access to all necessary tools and equipment, and is safely installing a kit on a relatively clean and rust free vehicle. Note: Due to these factors BDS is not responsible for any estimates of time and/or dollars relative to this guide or any other reference to installation of any BDS Product.

1. Always follow the recommendations of the individual tire and wheel manufacturers. Tires are generally designated by series and actual physical dimensions may vary.

2. Most suspension systems will settle after installation and clearance will be reduced. When selecting a tire size, be sure to leave extra clearance for this to occur.
3. Installation of a larger diameter tire may reduce the life of original OE suspension, steering, or related components. These items are not the responsibility of BDS Co.
4. Larger tire diameters can cause premature wear of the clutch and/or transmission.
5. Larger diameter tires may require recalibration of the speedometer and/or the anti-lock braking system and will reduce engine RPM throughout the range of the engine.
6. Backspacing is defined as the measurement from the hub mounting surface to the extreme back edge (toward center of vehicle) of the wheel, not the bead seat. Some wheel manufacturers do not follow this definition, so always check clearances before operating the vehicle.

Specifications 4WD OE WHEEL

Vehicle	Year	Bolt Pattern	OE Back-spacing*	Lug Nut Size
CHEVROLET / GMC				
S/T Series P/U's, SUV's	'83-'03	5 on 4 3/4	Varies	12mmx1.5R
K5 Blazer, Jimmy, Suburban K10/15	'73-'91	6 on 5 1/2	3 5/8	7/16R
Suburban K20, K30	'73-'91	8 on 6 1/2	4 1/4	9/16R Duplex
Tahoe, Yukon	'92-'12	6 on 5 1/2	5 1/2	14mmx1.5R
Suburban K1500	'92-'12	6 on 5 1/2	5 1/2	14mmx1.5R
Suburban K2500	'92-'10	8 on 6 1/2	5 1/2	14mmx1.5R
Pickup K10	'73-'87	6 on 5 1/2	3 5/8	7/16R
Pickup K20, K30	'73-'87	8 on 6 1/2	4 1/4	9/16R Duplex
Pickup K1500	'88-'98	6 on 5 1/2	5 1/2	14mmx1.5R
Pickup K2500, K3500	'88-'98	8 on 6 1/2	5 1/2	14mmx1.5R
Silverado / Sierra 1500 (Non-HD)	'99-'03	6 on 5 1/2	5 1/4	14mmx1.5R
Silverado / Sierra 1500 HD, 2500	'99-'10	8 on 6 1/2	5 1/4	14mmx1.5R
Pickup 2500	'11-'12	8 on 180mm	6 1/4	14mmx1.5R
Yukon XL HD, Sub HD, Avalanche HD	'99-'06	8 on 6 1/2	5 1/4	14mmx1.5R
Tahoe, Yukon XL, Denali (Non-HD)	'00-'12	6 on 5 1/2	5 1/4	14mmx1.5R
Avalanche	'01-'12	6 on 5 1/2	5 1/4	14mmx1.5R
Hummer H2	'03-'09	8 on 6 1/2	5 1/2	14mmx1.5R
Geo Tracker		5 on 5 1/2	3 3/4	12mmx1.25R
DODGE				
Dakota	'87-'90	5 on 4 1/2	5	1/2R
Pickup 1/2 ton, Ram-charger	'74-'84	5 on 4 1/2	4	1/2R
Pickup 1/2 ton, Ram-charger w/ manual hubs	'80-'93	5 on 5 1/2	3 3/4	1/2R
Pickup 3/4, 1 ton	'46-'93	8 on 6 1/2	4	1/2 Duplex
Ram Pickup 1500	'94-'01	5 on 5 1/2	5 1/2	1/2R
Ram Pickup 1500	'02-'03	5 on 5 1/2	5 1/2	9/16R
Ram Pickup 2500, 3500	'94-'01	8 on 6 1/2	4	9/16R Duplex
FORD / MERCURY / LINCOLN				
Ranger, Bronco II	'83-'92	5 on 4 1/2	4	1/2R
Ranger, Bronco II	'93-'03	5 on 4 1/2	4 1/2	1/2R
Explorer, Navajo, Mountaineer, (91-94)	'91-'00	5 on 4 1/2	4 1/2	1/2R
Explorer, Mountaineer, Aviator	'01-'03	5 on 4 1/2	4 1/2	1/2R
Bronco	'66-'79	5 on 5 1/2	3 3/4	1/2R
Bronco	'80-'96	5 on 5 1/2	3 3/4	1/2R
F-100, F-150	'65-'79	5 on 5 1/2	3 3/4	1/2R
F-150	'80-'96	5 on 5 1/2	3 3/4	1/2R
F-150	'97-'03	5 on 135mm	4 1/4	

Vehicle	Year	Bolt Pattern	OE Back-spacing*	Lug Nut Size
F-150	'04-'12	6 on 135mm		14mmx2.0
Expedition, Navigator	'97-'02	5 on 135mm	4 1/4	
F-250, F-350	'48-'96	8 on 6 1/2	4 1/4	9/16 or 1/2
F-250, F-350 w/ Dana 60	'48-'96	8 on 6 1/2	4 1/4	9/16 Duplex
Superduty	late '98-'02	8 on 170mm	4 1/4	14mmx2.0
Superduty	'03-'12	8 on 170mm		14mmx1.50
Excursion	'00-'05	8 on 170mm	4 1/4	14mmx2.0
JEEP				
Grand Cherokee ZJ	'93-'98	5 on 4 1/2	5 1/4	1/2R
Grand Cherokee WJ	'99-'03	5 on 5	5 1/4	1/2R
Wrangler YJ	'87-'95	5 on 4 1/2	4 1/2	1/2R
Wrangler TJ	'97-'03	5 on 4 1/2	4 1/2	1/2R
Wrangler JK	'07-'12	5 on 5		14mmx1.50
Cherokee XJ, Comanche MJ	'84-'01	5 on 4 1/2	4	1/2R
Liberty KJ	'02-'03	5 on 4 1/2	4	1/2R
CJ 5, 6, 7, 8 Scrambler	'55-'86	5 on 5 1/2	3 1/2	1/2R
J10, Wagoneer, Cherokee Full Size	'74-'91	6 on 5 1/2	3 1/2	7/16R
J20 Pickup	'74-'88	8 on 6 1/2	4	1/2R Duplex
NISSAN				
Pickup	'78-'86	6 on 5 1/2	4 1/2	12mmx1.25R
Hardbody Pickup	'87-'97	6 on 5 1/2	4 1/2	12mmx1.25R
Frontier Pickup		6 on 5 1/2	4 1/2	12mmx1.25R
Pathfinder		6 on 5 1/2	4 1/2	12mmx1.25R
Xterra		6 on 5 1/2	4 1/2	12mmx1.25R
SUZUKI				
Samurai	'85-'95	5 on 5 1/2	3 1/2	12mmx1.25R
Sidekick	'88-'98	5 on 5 1/2	3 1/2	12mmx1.25R
TOYOTA				
Pickup	'79-'95	6 on 5 1/2	varies	12mmx1.5R
4 Runner	'86-'96	6 on 5 1/2	varies	12mmx1.5R
Tacoma Standard Cab	'86-'96	6 on 5 1/2	4 1/2	12mmx1.5R
T-100	'93-'98	6 on 5 1/2	4 1/2	12mmx1.5R
Tundra	'00-'06	6 on 5 1/2	5	12mmx1.5R
Tundra	'07-'11	5 on 150mm		14mmx1.50
FJ40 Landcruiser	'75-'84	6 on 5 1/2	3 1/2	12mmx1.5R
FJ60 Landcruiser	'84-'92	6 on 5 1/2	3 1/2	12mmx1.5R
FJ80 Landcruiser	'94-'97	6 on 5 1/2	4 1/2	12mmx1.5R

*NOTE: This chart lists Original Equipment wheel specifications ONLY. Refer to the footnotes on the suspension application pages for any wheel references which may differ from those in this chart.

Back Spacing

Also called rear spacing. Distance from extreme back edge of rim, not bead seat, to the mounting pad. Lay a straight edge across back edge of rim and measure down to mounting pad.

Wheel Offset

The distance from the wheels centerline to the plane at which the wheel meets the hub. Positive offset is toward the outside of the rim, negative offset is toward the inside. Zero offset is the center of the rim.