
Specifications
Alignment Specifications

Item	<u>LH</u>	<u>RH</u>	Total/Split
Rear Wheel Drive (RWD) — Regular Cab			
Camber	-0.10° ± 0.75°	-0.10° ± 0.75°	0.0° ± 0.75°
Caster	3.5° ± 1.0°	3.9° ± 1.0°	-0.4° ± 0.75°
Total toe (front)	—	—	0.20° ± 0.20°
Thrust angle (rear)	—	—	0.0° ± 0.50°
Rear Wheel Drive (RWD) — Super Cab, Crew Cab			
Camber	-0.10° ± 0.75°	-0.10° ± 0.75°	0.0° ± 0.75°
Caster	3.8° ± 1.0°	4.2° ± 1.0°	-0.4° ± 0.75°
Total toe (front)	—	—	0.20° ± 0.20°
Thrust angle (rear)	—	—	0.0° ± 0.50°
Four-Wheel Drive (4WD) — Regular Cab			
Camber	-0.10° ± 0.75°	-0.10° ± 0.75°	0.0° ± 0.75°
Caster	3.1° ± 1.0°	3.5° ± 1.0°	-0.4° ± 0.75°
Total toe (front)	—	—	0.20° ± 0.20°
Thrust angle (rear)	—	—	0.0° ± 0.50°
Four-Wheel Drive (4WD) — Super Cab, Crew Cab			
Camber	-0.10° ± 0.75°	-0.10° ± 0.75°	0.0° ± 0.75°
Caster	3.4° ± 1.0°	3.8° ± 1.0°	-0.4° ± 0.75°
Total toe (front)	—	—	0.20° ± 0.20°
Thrust angle (rear)	—	—	0.0° ± 0.50°
Raptor — Super Cab, Crew Cab			
Camber	-0.50° ± 0.75°	-0.50° ± 0.75°	0.0° ± 0.75°
Caster	3.5° ± 1.0°	3.5° ± 1.0°	0.0° ± 0.75°
Total toe (front)	—	—	0.20° ± 0.20°
Thrust angle (rear)	—	—	0.0° ± 0.50°

General Specifications

NOTE: Measurements listed at curb load. Curb load is defined as "full service fluids, full fuel tank(s), no passengers and no cargo".

Item	Specification
Ball Joint Deflection, All Vehicles	
Lower	0-0.8 mm (0-0.032 in)
Upper	0-0.2 mm (0-0.008 in)
Ride Height — Four-Wheel Drive (4WD) Crew Cab	
145-in wheelbase, 2.7L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	167 mm (6.574 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.3L	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	170 mm (6.692 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Regular Cab	
122-in wheelbase, 2.7L GTDI	
Front	120 mm (4.724 in) ± 12 mm (0.472 in)
Rear	180 mm (7.086 in) ± 12 mm (0.472 in)
141-in wheelbase, 2.7L GTDI	
Front	121 mm (4.763 in) ± 12 mm (0.472 in)
Rear	183 mm (7.204 in) ± 12 mm (0.472 in)
122-in wheelbase, 3.3L	
Front	120 mm (4.724 in) ± 12 mm (0.472 in)
Rear	182 mm (7.165 in) ± 12 mm (0.472 in)
141-in wheelbase, 3.3L	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	186 mm (7.322 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Super Cab	
145-in wheelbase, 2.7L GTDI	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	171 mm (6.732 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.3L	
Front	129 mm (5.078 in) ± 12 mm (0.472 in)
Rear	174 mm (6.850 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Crew Cab — Heavy Duty	
145-in wheelbase, 2.7L GTDI MPP	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	179 mm (7.047 in) ± 12 mm (0.472 in)

145-in wheelbase, 3.5L GTDI	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	175 mm (6.889 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.5L 10:1CR LIMITED	
Front	119 mm (4.685 in) ± 12 mm (0.472 in)
Rear	167 mm (6.574 in) ± 12 mm (0.472 in)
145-in wheelbase, 5.0L	
Front	126 mm (4.842 in) ± 12 mm (0.472 in)
Rear	177 mm (6.968 in) ± 12 mm (0.472 in)
157-in wheelbase, 3.5L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	176 mm (6.929 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	179 mm (7.047 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Regular Cab — Heavy Duty	
122-in wheelbase, 5.0L	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	191 mm (7.519 in) ± 12 mm (0.472 in)
141-in wheelbase, 2.7L GTDI MPP	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	193 mm (7.598 in) ± 12 mm (0.472 in)
141-in wheelbase, 3.5L GTDI	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	188 mm (7.401 in) ± 12 mm (0.472 in)
141-in wheelbase, 5.0L	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Super Cab — Heavy Duty	
145-in wheelbase, 2.7L GTDI MPP	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	183 mm (7.204 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.5L GTDI	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	178 mm (7.007 in) ± 12 mm (0.472 in)
145-in wheelbase, 5.0L	
Front	126 mm (4.961 in) ± 12 mm (0.472 in)
Rear	180 mm (7.086 in) ± 12 mm (0.472 in)

Front	138 mm (5.433 in) ± 12 mm (0.472 in)
Rear	173 mm (6.811 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	128 mm (5.039 in) ± 12 mm (0.472 in)
Rear	172 mm (6.771 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Crew Cab — Heavy Payload Package — (17" Wheels)	
157-in wheelbase, 3.5L GTDI	
Front	115 mm (4.527 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	116 mm (4.566 in) ± 12 mm (0.472 in)
Rear	190 mm (7.480 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Regular Cab — Heavy Payload Package — (17" Wheels)	
141-in wheelbase, 3.5L GTDI	
Front	119 mm (4.685 in) ± 12 mm (0.472 in)
Rear	199 mm (7.834 in) ± 12 mm (0.472 in)
141-in wheelbase, 5.0L	
Front	119 mm (4.685 in) ± 12 mm (0.472 in)
Rear	200 mm (8.874 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Super Cab — Heavy Payload Package — (17" Wheels)	
163-in wheelbase, 3.5L GTDI	
Front	130 mm (5.118 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	130 mm (5.118 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Crew Cab — Heavy Payload Package — (18" Wheels)	
157-in wheelbase, 3.5L GTDI	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	190 mm (7.480 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Regular Cab — Heavy Payload Package — (18" Wheels)	
141-in wheelbase, 3.5L GTDI	
Front	133 mm (5.236 in) ± 12 mm (0.472 in)
Rear	197 mm (7.755 in) ± 12 mm (0.472 in)

Front	118 mm (4.645 in) ± 12 mm (0.472 in)
Rear	199 mm (7.834 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Super Cab — Heavy Payload Package — (18" Wheels)	
163-in wheelbase, 3.5L GTDI	
Front	129 mm (5.078 in) ± 12 mm (0.472 in)
Rear	187 mm (7.362 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	129 mm (5.078 in) ± 12 mm (0.472 in)
Rear	188 mm (7.401 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Crew Cab	
145-in wheelbase, 2.7L GTDI	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	168 mm (6.614 in) ± 12 mm (0.472 in)
157-in wheelbase, 2.7L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	169 mm (6.653 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Regular Cab	
122-in wheelbase, 2.7L GTDI	
Front	122 mm (4.803 in) ± 12 mm (0.472 in)
Rear	182 mm (7.165 in) ± 12 mm (0.472 in)
122-in wheelbase, 3.3L	
Front	131 mm (5.157 in) ± 12 mm (0.472 in)
Rear	185 mm (7.283 in) ± 12 mm (0.472 in)
141-in wheelbase, 2.7L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	183 mm (7.204 in) ± 12 mm (0.472 in)
141-in wheelbase, 3.3L	
Front	131 mm (5.157 in) ± 12 mm (0.472 in)
Rear	185 mm (7.283 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Super Cab	
145-in wheelbase, 2.7L GTDI	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	172 mm (6.771 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.3L	
Front	132 mm (5.196 in) ± 12 mm (0.472 in)
Rear	174 mm (6.850 in) ± 12 mm (0.472 in)
163-in wheelbase, 2.7L GTDI	

	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	169 mm (6.653 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Crew Cab — Heavy Duty	
145-in wheelbase, 2.7L GTDI MPP	
Front	121 mm (4.763 in) ± 12 mm (0.472 in)
Rear	179 mm (7.047 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.5L GTDI	
Front	122 mm (4.803 in) ± 12 mm (0.472 in)
Rear	175 mm (6.889 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.5L GTDI 10:1CR LIMITED	
Front	117 mm (4.606 in) ± 12 mm (0.472 in)
Rear	168 mm (6.614 in) ± 12 mm (0.472 in)
145-in wheelbase, 5.0L	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	178 mm (7.007 in) ± 12 mm (0.472 in)
157-in wheelbase, 2.7L GTDI	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	181 mm (7.125 in) ± 12 mm (0.472 in)
157-in wheelbase, 3.5L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	177 mm (6.968 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	180 mm (7.086 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Regular Cab — Heavy Duty	
122-in wheelbase, 5.0L	
Front	121 mm (4.763 in) ± 12 mm (0.472 in)
Rear	191 mm (7.519 in) ± 12 mm (0.472 in)
141-in wheelbase, 2.7L GTDI	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	193 mm (7.598 in) ± 12 mm (0.472 in)
141-in wheelbase, 3.5L GTDI	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	191 mm (7.519 in) ± 12 mm (0.472 in)
141-in wheelbase, 5.0L	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	190 mm (7.480 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Super Cab — Heavy Duty	

Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	183 mm (7.204 in) ± 12 mm (0.472 in)
145-in wheelbase, 3.5L GTDI	
Front	122 mm (4.803 in) ± 12 mm (0.472 in)
Rear	178 mm (7.007 in) ± 12 mm (0.472 in)
145-in wheelbase, 5.0L	
Front	128 mm (5.039 in) ± 12 mm (0.472 in)
Rear	181 mm (7.125 in) ± 12 mm (0.472 in)
163-in wheelbase, 2.7L GTDI MPP	
Front	129 mm (5.078 in) ± 12 mm (0.472 in)
Rear	184 mm (7.244 in) ± 12 mm (0.472 in)
163-in wheelbase, 3.5L GTDI	
Front	127 mm (5.000 in) ± 12 mm (0.472 in)
Rear	181 mm (7.125 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	128 mm (5.039 in) ± 12 mm (0.472 in)
Rear	180 mm (7.086 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Crew Cab — Heavy Payload Package — (17" Wheels)	
157-in wheelbase, 3.5L GTDI	
Front	115 mm (4.527 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	116 mm (4.566 in) ± 12 mm (0.472 in)
Rear	190 mm (7.480 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Regular Cab — Heavy Payload Package — (17" Wheels)	
141-in wheelbase, 3.5L GTDI	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	198 mm (7.795 in) ± 12 mm (0.472 in)
141-in wheelbase, 5.0L	
Front	124 mm (4.881 in) ± 12 mm (0.472 in)
Rear	199 mm (7.834 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Super Cab — Heavy Payload Package — (17" Wheels)	
163-in wheelbase, 3.5L GTDI	
Front	132 mm (5.196 in) ± 12 mm (0.472 in)
Rear	191 mm (7.519 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	132 mm (5.196 in) ± 12 mm (0.472 in)

	192 mm (7.550 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Crew Cab — Heavy Payload Package — (18" Wheels)	
157-in wheelbase, 3.5L GTDI	
Front	114 mm (4.488 in) ± 12 mm (0.472 in)
Rear	188 mm (7.401 in) ± 12 mm (0.472 in)
157-in wheelbase, 5.0L	
Front	115 mm (4.527 in) ± 12 mm (0.472 in)
Rear	189 mm (7.440 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Regular Cab — Heavy Payload Package — (18" Wheels)	
141-in wheelbase, 3.5L GTDI	
Front	122 mm (4.803 in) ± 12 mm (0.472 in)
Rear	197 mm (7.755 in) ± 12 mm (0.472 in)
141-in wheelbase, 5.0L	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	198 mm (7.795 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Super Cab — Heavy Payload Package — (18" Wheels)	
163-in wheelbase, 3.5L GTDI	
Front	131 mm (5.157 in) ± 12 mm (0.472 in)
Rear	190 mm (7.480 in) ± 12 mm (0.472 in)
163-in wheelbase, 5.0L	
Front	131 mm (5.157 in) ± 12 mm (0.472 in)
Rear	191 mm (7.519 in) ± 12 mm (0.472 in)
Ride Height — Raptor — Super Cab, Crew Cab	
Front	151 mm (5.945 in) ± 12 mm (0.472 in)
Rear	240 mm (9.449 in) ± 12 mm (0.472 in)
Vehicle Lean (side-to-side height differences), All Vehicles	
Front — maximum	7 mm (0.276 in)
Rear — maximum	8 mm (0.315 in)

3.0L DIESEL

Ride Height — Rear Wheel Drive (RWD) Super Cab	
145-in wheelbase	
Front	121 mm (4.763 in) ± 12 mm (0.472 in)
Rear	172 mm (6.771 in) ± 12 mm (0.472 in)
Ride Height — Rear Wheel Drive (RWD) Crew Cab	
145-in wheelbase	

Front	119 mm (4.685 in) ± 12 mm (0.472 in)
Rear	165 mm (6.496 in) ± 12 mm (0.472 in)
157-in wheelbase	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	166 mm (6.535 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Super Cab	
145-in wheelbase	
Front	126 mm (4.960 in) ± 12 mm (0.472 in)
Rear	172 mm (6.771 in) ± 12 mm (0.472 in)
Ride Height — Four-Wheel Drive (4WD) Crew Cab	
145-in wheelbase	
Front	123 mm (4.842 in) ± 12 mm (0.472 in)
Rear	164 mm (6.456 in) ± 12 mm (0.472 in)
157-in wheelbase	
Front	125 mm (4.921 in) ± 12 mm (0.472 in)
Rear	165 mm (6.496 in) ± 12 mm (0.472 in)

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