

2005



Kodiak C6500/ C7500/C8500

GVW CLASS

Class 6(C6500)
Class 7(C7500)
Class 8(C8500)

GVWR

C6500 22,000-26,000 lbs.
C7500 25,950-37,600 lbs.
C8500 33,000-61,000 lbs.

BODY STYLES

1-3 Person, Regular Cab
1-6 Person, Crew Cab
Commercial Cutaway Chassis Cab

TRANSMISSION

	Vortec 8100MD V8	Duramax 7800 I/L6	CAT C7	
Allison	2500 HS 5-speed Wide Ratio (MWP)	2500 HS 5-speed Wide Ratio (MWP)	2500 HS 5-speed Wide Ratio (MWP)	
	2500 HS 5-speed Wide Ratio (MWP + PTO)	2500 HS 5-speed Wide Ratio (MWP + PTO)	2500 HS 5-speed Wide Ratio (MWP + PTO)	
	2400 HS 5-speed Wide Ratio (MTW)	2400 HS 5-speed Wide Ratio (MTW)	2400 HS 5-speed Wide Ratio (MTW)	
	2400 RDS 5-speed Wide Ratio (MTW + PTO)	2400 RDS 5-speed Wide Ratio (MTW + PTO)	2400 RDS 5-speed Wide Ratio (MTW + PTO)	
		3000 RDS 5-speed Close Ratio (MWT)	3000 RDS 5-speed Close Ratio (MWT)	
		3000 RDS 6-speed Close Ratio (MWU)	3000 RDS 6-speed Close Ratio (MWU)	
		3500 RDS 5-speed Wide Ratio (MWY)	3500 RDS 5-speed Wide Ratio (MWY)	
		3500 RDS 6-speed Wide Ratio (MWZ)	3500 RDS 6-speed Wide Ratio (MWZ)	
		3000 EVS 5-speed Close Ratio (MF8)	3000 EVS 5-speed Close Ratio (MF8)	
		3000 EVS 6-speed Close Ratio (MB5)	3000 EVS 6-speed Close Ratio (MB5)	
		3500 EVS 5-speed Wide Ratio (MY8)	3500 EVS 5-speed Wide Ratio (MY8)	
		3500 EVS 6-speed Wide Ratio (MB6)	3500 EVS 6-speed Wide Ratio (MB6)	
	Eaton Fuller Manuals	FS5205A (MPU) 5-speed	FS5205A (MPU) 5-speed	FS5205A (MPU) 5-speed
		FS5205B (MNC) 5-speed	FS5205B (MNC) 5-speed	FS5205B (MNC) 5-speed
FS6305A (MK0) 5-speed		FS6305A (MK0) 5-speed	FS6305A (MK0) 5-speed	
FS6305B (MLO) 5-speed		FS6305B (MLO) 5-speed	FS6305B (MLO) 5-speed	
FS5406A (MM7) 6-speed		FS5406A (MM7) 6-speed	FS5406A (MM7) 6-speed	
		FS6406A (MM8) 6-speed	FS6406A (MM8) 5-speed	
		FSO-8406A (M69) 6-speed	FSO-8406A (M69) 6-speed	
		RT-6609A (MUT) 9-speed	RT-6609A (MUT) 9-speed	
		RT-8709B (MS9) 9-speed	RT-8709B (MS9) 9-speed	
		RT-8908LL (MT3) 10-speed (plus 2 lows)	RT-8908LL (MT3) 10-speed (plus 2 lows)	
TTC		7-speed manual ES56-7B (MK8)	7-speed manual ES56-7B (MK8)	

Available Exterior Colors*

Black/Victory Red

Bright Blue Met./ Indigo Blue Met.

Summit White/Black

Summit White/ Victory Red

Tan

Tangier Orange

Victory Red/ Summit White

Wheatland Yellow

Wheatland Yellow/Black

Woodland Green

Select Colors Shown



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Kodiak C6500/ C7500/C8500

DRIVETRAIN LAYOUT

Front-engine, Rear-wheel drive

ENGINES

Gas:Vortec 8100MD V8
 Diesel:Duramax 7800 IL6
 Diesel:CAT C7

TRANSMISSIONS

Allison 2500/2400 Series automatics
 Allison 3000/3500 Series automatics
 Eaton 5, 6, 9, 10-speed manuals
 TTC 7-speed manual



CHASSIS

Suspension, front	Single-stage parabolic tapered leaf springs (7,000-, 8,000-, 9,000-, 10,000-, 12,000- and 14,600-pound capacities), or single-stage multi-leaf springs (9,000-, 12,000-, 14,600-, and 18,000-pound), with twin-tube 35mm, 38mm or 42mm stabilizer bar
Suspension, rear	Multi-leaf available in 15,000-, 19,000-, 21,000-, 23,500-, 27,000 and 31,000-pound capacities (shock absorbers optional), Parabolic, Tapered-leaf springs (15,000-, 19,000-, 21,000- and 23,000- pound capacities), twin tube, 35mm or 45mm (depending on spring rate) shock absorbers and 44mm (15,000-pound) or 48mm (all other capacities) available stabilizer bar
Optional	Hendrickson "Air-Ride" suspension available in 19,000-, 21,000- and 23,000-pound capacities; "Walking Beam" available in 34,000-, 40,000- and 46,000-pound with tandem rear axles
Steering type	ZF S-2 recirculating ball, integral power
Ratio(s)	Variable: 16.1 to 19.6:1 for 8,000-pound front axle; 18.1 to 21.4:1 for 10,000-, 12,000- and 14,600-pound; and 21.4 to 24.5:1 for 16,000
Turning diameter (ft.)	39.0 (minimum)
Brakes, front and rear	Hydraulic, 15.4-in. discs, 4-channel ABS, EBD (opt. brake-controlled Traction Control System)
Brakes, air	Air brakes available on C7, standard on C8 models
Wheels	19.5" or 22.5" wheels (steel and aluminum)
Tires	Standard sizes range from 245/70R 19.5F to 315/80R 22.5L

POWERTRAIN

Engine type	Vortec 8100 MD OHV gas V8, cast-iron block and heads	Duramax 7800 (LG4), diesel inline-6, gray-iron block and cast-iron head	Caterpillar C7, diesel inline-6, gray-iron block and head
Bore x stroke (in./mm)	4.25 x 4.37/107.95 x 111	4.53 x 4.92/115 x 125	4.33 x 5.0/110 x 127
Displacement (cu. in/cc)	496/8128	475/7785	442/7244
Compression ratio	9.1:1	16.0:1	16.0:1
Valve gear	OHV, 2 valves per cylinder	4 valves per cylinder	3 valves per cylinder
Fuel induction	Sequential Fuel Injection (coil-near-plug)	Turbocharged, intercooled Direct Injection via high-pressure common rail	Turbocharged, air-to-air Direct, HEUI unit injector
SAE horsepower (hp @ rpm)	295 @ 3600 (LRZ)	200 (LQB), 215 (LPU), 215 (LPT), 230 (LQC), 250 (LPC), 250 (LQS), 275 (LQH), 275 (LPK) or 300 (LQF) @ 2200	207 (LQA), 210 (LSX), 210 (LRQ), 230 (LQG), 230 (LSZ), 250 (LQV), 250 (LRR), 275 (LQW), 275 (LRS), 300 (LQX) or 300 (LRS) @ 2200
SAE torque (lb-ft @ rpm)	440 @ 3200 (LRZ)	520 (LQB), 520 (LPU), 660 (LPT), 660 (LQC), 660 (LPC), 800 (LQS), 800 (LQH), 860 (LPK), or 860 (LQF) @ 1450	520 (LSX), 520 (LQA), 605 (LRQ), 540 (LQG), 660 (LSZ), 660 (LQV), 800 (LRR), 800 (LQW), 860 (LRS), 800 (LQX) or 860 (LRS) @ 1440
Max. engine speed	4200 (hydraulic brakes)/4000 (air brakes)	2400	2500 @ 207/210 hp 2400 @ 230 hp and above
Electrical (Standard)	Single battery (600 CCA) 105-amp alternator	Dual batteries (1500 CCA) 100-amp alternator	Dual batteries (1500 CCA) 100-amp alternator
Recommended fuel	87 octane, unleaded	No. 2 diesel	No. 2 diesel

