

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	
<b>Allison</b>	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)	
	<b>Eaton Fuller Manuals</b>	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)	
<b>TTC</b>		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



# 2005

## 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

<b>Suspension, front</b>	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
<b>Suspension, rear</b>	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
<b>Optional</b>	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
<b>Steering type</b>	ZF S-2 recirculating ball, integral power
<b>Ratio(s)</b>	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
<b>Turning diameter (ft.)</b>	39.0 (minimum)
<b>Brakes, front and rear</b>	Hydraulic, 15.4-in. discs, 4-channel ABS, EBD (opt. brake-controlled Traction Control System)
<b>Brakes, air</b>	Air brakes available on C7, standard on C8 models
<b>Wheels</b>	19.5" or 22.5" wheels (steel and aluminum)
<b>Tires</b>	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
<b>Bore x stroke (in./mm)</b>	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
<b>Displacement (cu. in/cc)</b>	496/8128	475/7785	442/7244
<b>Compression ratio</b>	9.1:1	16.0:1	16.0:1
<b>Valve gear</b>	OHV, 2 valves per cylinder	4 valves per cylinder	3 valves per cylinder
<b>Fuel induction</b>	Sequential Fuel Injection (coil-near-plug)	Turbocharged, intercooled Direct Injection via high-pressure common rail	Turbocharged, air-to-air Direct, HEUI unit injector
<b>SAE horsepower (hp @ rpm)</b>	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
<b>SAE torque (lb-ft @ rpm)</b>	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
<b>Max. engine speed</b>	4200 (hydraulic brakes)/4000 (air brakes)	2400	2500 @ 207/210 hp 2400 @ 230 hp and above
<b>Electrical (Standard)</b>	Single battery (600 CCA) 105-amp alternator	Dual batteries (1500 CCA) 100-amp alternator	Dual batteries (1500 CCA) 100-amp alternator
<b>Recommended fuel</b>	87 octane, unleaded	No. 2 diesel	No. 2 diesel

