

CUMMINS



ENGINE: 4B3.9L Non-Emission Certified
4-390 CDC Non-Emission Certified

BORE: 4.0165"	4 Cyl	Diesel	NOTES: Natural Aspirated Engine, Piston Stamped 6208, 6209, 6221, 6223
APPLICATION:	Backhoes: 480E, 480E LL, 480F, 480F LL, 580SE, 580K, 580SK Case;		
Provide Engine Serial #	Crawlers: 450C, 455C, 550, 550E Case;		
To Verify All Parts	Forklifts: 584E, 585E, 586E Case Thru JGG251721; Loaders: W11B Case; Power Units: 4390 Case-IH;		
	Skid Loaders: 1840, 1845C Case w/CAV Pump; Tractors: 60 American White; Trenchers: 660, 760 Case;		
	Windrowers: 6000, 6500, 8820, 8830 Case-IH; Miscellaneous Farm & Construction Equipment		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934116	In-Frame Kit			I	
	1	935116	Out-of-Frame Kit		O		
	4	131144	STD Piston Kit (Includes Pin & Rings)		O	I	
	4	131145	0.50 MM Piston Kit (Includes Pin & Rings)				
	4	131146	0.75 MM Piston Kit (Includes Pin & Rings)				
	4	131147	1.00 MM Piston Kit (Includes Pin & Rings)				
	4	131148	Piston Pin (2.975" OAL)				
	4	131149	Repair Liner (4.118" OD / 7.875" OAL)				
	4	131151	STD Piston Ring Set (Rectangular Top Ring)				
	4	131152	0.50 MM Piston Ring Set (Rectangular Top Ring)				
	4	131153	0.75 MM Piston Ring Set (Rectangular Top Ring)				
	4	131154	1.00 MM Piston Ring Set (Rectangular Top Ring)				
	4	231139	STD Rod Bearing		O	I	
	4	231141	0.25MM Rod Bearing (1)				
	4	231142	0.50MM Rod Bearing (2)				
	4	231143	0.75MM Rod Bearing				
	4	231144	1.00MM Rod Bearing				
	1	231155	STD Main Bearing Set		O	I	
	1	231156	0.25MM Main Bearing Set				
	1	231157	0.50MM Main Bearing Set				
	1	231158	0.75MM Main Bearing Set				
	1	231159	1.00MM Main Bearing Set				
	1	331164	Head Gasket Set		O	I	
	1	331165	STD Head Gasket (3)				
	8	331152	Positive Valve Seal				
	4	331153	Valve Cover Gasket				
	1	331169	Full Gasket Set w/Seals		O		
	1	331168	Lower Gasket Set w/Seals				
	1	331171	Tappet Cover Gasket				
	1	331172	Pan Gasket Set			I	
	1	331155	Front Crank Seal "For OS Seal & Sleeve Kit Use 331188"				
	1	331156	Front Crank Thin Wall Wear Sleeve "Use w/Standard Seal"				
	1	331123	STD Rear Crank Seal (Dry Housing)				
	1	331124	OS Rear Crank Seal & Wear Sleeve Kit (Dry Housing)				
	1	331125	STD Rear Crank Seal (Wet Housing)				
	1	331126	OS Rear Crank Seal & Wear Sleeve Kit (Wet Housing)				
	1	331128	Rear Crank Thin Wall Wear Sleeve "Use w/Standard Seal"				
	4	231151	Pin Bushing				
	1	231152	Cam Bearing, Front (58 MM OD Oversize Also Available) (4)				
	4	231153	Cam Bearing, Intermediate & Rear (Requires Machining) (4)				
	8	731135	Rod Bolt				
	1	731141	Head Bolt Kit				

(1).010 Oversize OD: 231177 (2).010 Oversize OD: 231178 (3)Use 331166 For +.010 or 331167 For +.020 (4)Cam Plug Kit: 731137

CU-239-A

4/1/2004

CLICK THE ITEM # TO VIEW OR PURCHASE PART

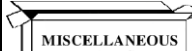
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	1	939515	Camshaft Kit					C
	1	939113	Valve Train Kit				V	
	1	531131	Camshaft					C
	1	531112	Cam Thrust Plate					
	8	531113	Tappet					C
	4	431143	Exhaust Valve				V	
	4	431144	Intake Valve				V	
	8	431157	Valve Wear Cap (Optional Service Repair)					
	8	431145	Ex/In Service Repair Valve Guide (.439 OD / 2.500" OAL)					
	4	431146	Exhaust Service Repair Valve Guide (.552 OD / 2.052" OAL)					
	4	431147	Intake Service Repair Valve Guide (.552 OD / 2.397" OAL)					
	8	431148	Valve Spring				V	
	16	431149	Valve Keeper (Half)				V	
	8	431151	Valve Spring Retainer					
	4	431152	Exhaust Valve Seat (OEM Special Size)					
	4	401138	Exhaust Valve Seat (Universal Size / Uses Standard Cutter)					
	4	431153	Intake Valve Seat (OEM Special Size)					
	4	401139	Intake Valve Seat (Universal Size / Uses Standard Cutter)					
	4	431154	Rocker Arm, Exhaust					
	4	431155	Rocker Arm, Intake					
	4	431156	Rocker Arm Support & Shaft					
	1	531123	Cam Gear					
	1	531124	Crank Gear					
	1	531125	Injection Pump Drive Gear					
	8	531126	Push Rod					
	1	631127	New Oil Pump					
	1	631128	Rebuilt Oil Pump					
	1	631129	Oil Cooler					
	4	631125	Piston Cooling Nozzles, Thru ESN 44511033 (3901020)					
	4	631126	Piston Cooling Nozzles, After ESN 44511033 (3930139)					
	1	731111	Crankshaft					
	1	731142	Balancer Bearing Kit: 6000 & 6500 (3 Gear Balancer)					
	1	731139	Expansion Plug Kit (Includes 18 Plugs For Head & Block)					
	1	831133	Thermostat Kit (Includes Seal)					
	1	831134	New Water Pump					
	1	831118	Fan Drive Bearing					
	1	831114	Belt Tensioner Assembly					
	1	831135	Block Heater					
	1	831136	Fuel Transfer Pump					
	1	831137	Oil Fill Cap (2")					
	8	831138	Exhaust Manifold Bolt					

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