

CUMMINS



ENGINE: 4BT3.9L Non-Emission Certified
4T-390 CDC Non-Emission Certified

BORE: 4.0165" 4 Cyl Diesel NOTES: Turbo Engine, Piston Stamped 7163, 8815, 8816

APPLICATION: Backhoes: 570LXT, 580SE, 580K, 580SK, 580L, 580SL, 590 Turbo CK, 590SL Case;

Provide Engine Serial # Crawlers: 450C, 455C, 550, 550E; 550G Thru JYG0255793; 650; 650G Thru JYG0216448 Case;

To Verify All Parts Excavators: 688, 9010 Case; Loaders: W11B Case; Power Units: 4390T Case-IH;

Skid Loaders: 90XT Case-IH Thru JAF0245224; 95XT Case-IH Thru JAF0237963;

Tractors: 5120, 5220 Case-IH; 80 American White; Trenchers: 860 Case; Windrowers: 8840 Case-IH;

QTY		ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934117	In-Frame Kit			I	
	1	935117	Out-of-Frame Kit		O		
	4	131159	STD Piston Kit (Includes Pin & Rings)		O	I	
	4	131161	0.50 MM Piston Kit (Includes Pin & Rings)				
	4	131162	0.75 MM Piston Kit (Includes Pin & Rings)				
	4	131163	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	131155	STD Piston Ring Set (Keystone Top Ring)				
	4	131156	0.50 MM Piston Ring Set (Keystone Top Ring)				
	4	131157	0.75 MM Piston Ring Set (Keystone Top Ring)				
	4	131158	1.00 MM Piston Ring Set (Keystone 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-E

4/1/2004

CLICK THE ITEM # TO VIEW OR PURCHASE PART

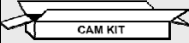
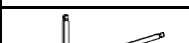
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	939515	Camshaft Kit					C
	1	939113	Valve Train Kit				V	
	1	531131	Camshaft					C
	1	531112	Cam Thrust Plate					
	8	531113	Tappet					C
	4	431143	Exhaust Valve				V	
	4	431144	Intake Valve				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, Except 5120 & 5220 Case-IH					
	1	731143	Balancer Bushing Kit: 5120 & 5220 (2 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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