

CUMMINS



ENGINE: 4BT / 4BTA3.9L Emission Certified
4T / 4TA-390 CDC Emission Certified

BORE: 4.0165"	4 Cyl	Diesel	NOTES: In-Line Pump, Machined Split Rod, Piston # 8673, 8674, 8675
APPLICATION:	Backhoes: 570LXT Series 2, 580L Series 2, 590SL Series 2 Case; Crawlers: 650G Case After JYG0216448;		
Provide Engine Serial #	Excavators: 9010B Case After DAC01#2000; 9020B Case After DAC02#2000;		
To Verify All Parts	Power Units: 4391T & 4391TA Case-IH; Skid Loaders: 90XT Case-IH After JAF0245224; Skid Loaders: 95XT Case-IH After JAF0237963; Telescopic Handlers: 686G, 686GXR Case; Windrowers: 8860, 8860HP, 8870 Case-IH; Miscellaneous Farm & Construction Equipment		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934145	In-Frame Kit			I	
	1	935145	Out-of-Frame Kit (Dry Clutch Housing)		O		
	4	131179	STD Piston Kit (Includes Pin & Rings)		O	I	
	4	131181	0.50 MM Piston Kit (Includes Pin & Rings)				
	4	131182	1.00 MM Piston Kit (Includes Pin & Rings)				
	4	131167	Piston Pin (3.255" OAL)				
	4	131149	Repair Liner (4.118" OD / 7.875" OAL)				
	4	131183	STD Piston Ring Set				
	4	131184	0.50 MM Piston Ring Set				
	4	131185	1.00 MM Piston Ring Set				
	4	231139	STD Rod Bearing, Machined Split Rod		O	I	
	4	231141	0.25MM Rod Bearing, Machined Split Rod (1)				
	4	231142	0.50MM Rod Bearing, Machined Split Rod (2)				
	4	231143	0.75MM Rod Bearing, Machined Split Rod				
	4	231144	1.00MM Rod Bearing, Machined Split Rod				
	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	331173	Head Gasket Set		O	I	
	1	331165	STD Head Gasket (3)				
	8	331163	Positive Valve Seal				
	4	331153	Valve Cover Gasket				
	1	331174	Full Gasket Set w/Seals		O		
	1	331175	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, w/Centered Oil Hole				
	4	231161	Pin Bushing, w/Offset Hole (Late ISB Rod# 3942580)				
	1	231152	Front Cam Bearing, Early (4)				
	1	231154	Front Cam Bearing, Late (STORM Block) (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-M

4/1/2004

CLICK THE ITEM # TO VIEW OR PURCHASE PART

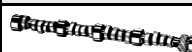
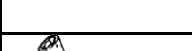
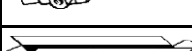
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	939516	Camshaft Kit					C
	1	939113	Valve Train Kit				V	
	1	531132	Camshaft					C
	1	531112	Cam Thrust Plate					
	8	531113	Tappet					C
	4	431143	Exhaust Valve				V	
	4	431144	Intake Valve				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	531133	Cam Gear					
	1	531124	Crank Gear					
	1	531127	Injection Pump Drive Gear					
	8	531126	Push Rod					
	1	631127	New Oil Pump					
	1	631129	Oil Cooler					
	4	631126	Piston Cooling Nozzles					
	1	731111	Crankshaft					
	1	731142	Balancer Bearing Kit (3 Gear Balancer)					
	1	731139	Expansion Plug Kit (Includes 18 Plugs For Head & Block)					
	1	831133	Thermostat Kit (Includes Seal) (6)					
	1	831134	New Water Pump (Non-Hardened Pulley) (7)					
	1	831118	Fan Drive Bearing (1.375" ID)					
	1	831114	Belt Tensioner Assembly (8)					
	1	831135	Block Heater, Early (Cup Plug)					
	1	831139	Block Heater, Late (STORM Block 3/4" NPT)					
	1	831117	Fuel Transfer Pump: Except 9010B, 9020B					
	1	831144	Fuel Transfer Pump: 9010B, 9020B					
	1	831137	Oil Fill Cap (2")					
	8	831138	Exhaust Manifold Bolt "Stainless Steel Option - 831175"					

(6)AGCO/White Uses 831173 (7)Use 831143 For Hardened Pulley (8)AGCO/White Uses 831174

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