

CUMMINS



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

BORE: 4.0165"	4 Cyl	Diesel	NOTES: NA, Long Pin, Piston Stamped 2514, 4975, 4976, 3581, 3582
APPLICATION:	Backhoes: 570LXT Series 2, 580L Series 2 Case; Crawlers: 550G After JYG0255793 Case;		
Provide Engine Serial #	Forklifts: 584E, 585E, 586E Case After JYG251721; 585G, 586G, 588G Case;		
To Verify All Parts	Skid Loaders: 1840, 1845C Case Thru ESN 45636368 w/Bosch Pump; 85XT Case-IH w/Bosch Pump;		
	Telescopic Handlers: 686G, 686GXR; 688G Series 2 Case; Sky Trak 5028;		
	Windrowers: 8860, 8860HP Case-IH; Miscellaneous Farm & Construction Equipment		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934146	In-Frame Kit			I	
	1	935146	Out-of-Frame Kit, w/In-Line Pump		O		
	4	131189	STD Piston Kit (Includes Pin & Rings) (1)		O	I	
	4	131191	0.50 MM Piston Kit (Includes Pin & Rings)				
	4	131192	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	131193	STD Piston Ring Set (Rectangular Top Ring)				
	4	131194	0.50 MM Piston Ring Set (Rectangular Top Ring)				
	4	131195	1.00 MM Piston Ring Set (Rectangular Top Ring)				
	4	231139	STD Rod Bearing		O	I	
	4	231141	0.25MM Rod Bearing (3)				
	4	231142	0.50MM Rod Bearing (4)				
	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	331173	Head Gasket Set		O	I	
	1	331165	STD Head Gasket (5)				
	8	331163	Positive Valve Seal				
	1	331174	Full Gasket Set w/Seals, w/In-Line Pump				
	1	331168	Lower Gasket Set w/Seals, w/Rotary Pump		O		
	1	331175	Lower Gasket Set w/Seals, w/In-Line Pump				
	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 (Centered Hole) "Late Offset Hole Use 231161"				
	1	231152	Front Cam Bearing, Thru ESN 45537237 (6)				
	1	231154	Front Cam Bearing, After ESN 45537237 (STORM Block) (6)				
	4	231153	Cam Bearing, Intermediate & Rear (Requires Machining) (6)				
	8	731135	Rod Bolt				
	1	731141	Head Bolt Kit				

(1)Grade B Piston Kit, Use 131458 to service piston stamped 4975; Grade C Piston Kit, Use 131459 to service piston stamped 4976

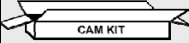
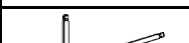
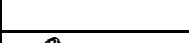
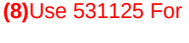
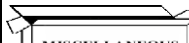
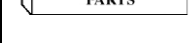
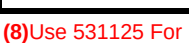
(3).010 Oversize OD: 231177 (4).010 Oversize OD: 231178 (5)Use 331166 For +.010 or 331167 For +.020 (6)Cam Plug Kit: 731137

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	939515	Camshaft Kit					C
	1	939115	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	431158	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	531127	Injection Pump Drive Gear, w/Bosch In-Line Pump (8)					
	8	531126	Push Rod					
	1	631131	New Oil Pump					
	1	631132	Rebuilt Oil Pump					
	1	631129	Oil Cooler					
	4	631126	Piston Cooling Nozzles					
	1	731111	Crankshaft					
	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 (Cup Plug)					
	1	831139	Block Heater, After ESN 45537237(STORM Block 3/4" NPT)					
	1	831117	Fuel Transfer Pump, w/Bosch In-Line Pump					
	1	831136	Fuel Transfer Pump, w/Bosch Rotary Pump					
	1	831137	Oil Fill Cap (2")					
	8	831138	Exhaust Manifold Bolt					

(8)Use 531125 For Bosch or CAV Rotary Pump