

CUMMINS



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

BORE: 4.0165"	4 Cyl	Diesel	NOTES: In-Line Pump, Fracture Split Rods, Piston # 0187, 0188, 0189
APPLICATION: Miscellaneous Farm, Industrial & Construction Equipment			
Provide Engine Serial # To Verify All Parts			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934179	In-Frame Kit			I	
	1	935179	Out-of-Frame Kit (Dry Clutch Housing)	O			
	4	131296	STD Piston Kit (Includes Pin & Rings)	O		I	
	4	131297	0.50 MM Piston Kit (Includes Pin & Rings)				
	4	131298	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	131176	STD Piston Ring Set				
	4	131177	0.50 MM Piston Ring Set				
	4	131178	1.00 MM Piston Ring Set				
	4	231163	STD Rod Bearing, w/Fracture Split Rods	O		I	
	4	231164	0.25MM Rod Bearing, w/Fracture Split Rods				
	4	231165	0.50MM Rod Bearing, w/Fracture Split Rods				
	4	231166	0.75MM Rod Bearing, w/Fracture Split Rods				
	4	231167	1.00MM Rod Bearing, w/Fracture Split Rods				
	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	331235	Head Gasket Set (Include Top Hat Seals)	O		I	
	1	331165	STD Head Gasket (3)				
	8	331236	Top Hat Valve Seal, Late (Blue)				
	4	331153	Valve Cover Gasket				
	1	331175	Lower Gasket Set w/Seals	O			
	1	331171	Tappet Cover Gasket			I	
	1	331172	Pan Gasket Set				
	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	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	731157	Rod Bolt, w/Fracture Split Rods				
	1	731141	Head Bolt Kit				

(3)Use 331166 For +.010 or 331167 For +.020 (4)Cam Plug Kit: 731137

CU-239-P

4/1/2009

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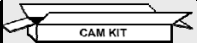
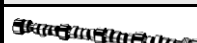
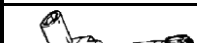
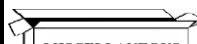
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To Verify All Parts

	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, Early (.185 Wire Dia) (5)				V	
	8	431158	Valve Spring, Late (.160 Wire Dia)					
	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	531134	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					
	4	731175	Connecting Rod (Fracture Split / CDC Plant) (6)					
	1	731139	Expansion Plug Kit (Includes 18 Plugs For Head & Block)					
	1	831173	Thermostat					
	1	831134	New Water Pump (Non-Hardened Pulley) (7)					
	1	831118	Fan Drive Bearing (1.375" ID)					
	1	831114	Belt Tensioner Assembly					
	1	831139	Block Heater (STORM Block 3/4" NPT)					
	1	831121	Fuel Transfer Pump					
	1	831137	Oil Fill Cap (2")					
	8	831138	Exhaust Manifold Bolt "Stainless Steel Option - 831175"					

(5)Can Use 431158 For Industrial

(6)Use 731183 For DEP Plant (Do Not Mix)

(7)Use 831143 For Pump w/Hardened Pulley

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