

CUMMINS



ENGINE: 6BTA5.9L Emission Certified
6TA-590 CDC Emission Certified

BORE: 4.0165"	6 Cyl	Diesel	NOTES: In-Line Pump, Machined Split Rod, Piston # 0187, 0188, 0189
APPLICATION:	Sprayers: Case-IH Patriot 3185, 3210; SPX3185 (10/02-UP); SPX3200 (06/04-UP); SPX3200B, SPX3310;		
Provide Engine Serial #	Tractors: AGCO RT145;		
To Verify All Parts	Tractors: JCB Fastrac 3185;		
	Tractors: White 8410;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	934163	In-Frame Kit			I	
	1	935163	Out-of-Frame Kit (Dry Clutch Housing)	O			
	6	131296	STD Piston Kit (Includes Pin & Rings)	O		I	
	6	131297	0.50 MM Piston Kit (Includes Pin & Rings)				
	6	131298	1.00 MM Piston Kit (Includes Pin & Rings)				
	6	131167	Piston Pin (3.255" OAL)				
	6	131149	Repair Liner (4.118" OD / 7.875" OAL)				
	6	131176	STD Piston Ring Set				
	6	131177	0.50 MM Piston Ring Set				
	6	131178	1.00 MM Piston Ring Set				
	6	231139	STD Rod Bearing, Machined Split Rod	O		I	
	6	231141	0.25MM Rod Bearing, Machined Split Rod (1)				
	6	231142	0.50MM Rod Bearing, Machined Split Rod (2)				
	6	231143	0.75MM Rod Bearing, Machined Split Rod				
	6	231144	1.00MM Rod Bearing, Machined Split Rod				
	1	231145	STD Main Bearing Set	O		I	
	1	231146	0.25MM Main Bearing Set				
	1	231147	0.50MM Main Bearing Set				
	1	231148	0.75MM Main Bearing Set				
	1	231149	1.00MM Main Bearing Set				
	1	331147	Head Gasket Set	O		I	
	1	331148	STD Head Gasket (3)				
	12	331163	Positive Valve Seal				
	6	331153	Valve Cover Gasket				
	1	331162	Full Gasket Set w/Seals				
	1	331161	Lower Gasket Set w/Seals "Includes 331159 Pan Gkt"	O			
	1	331158	Tappet Cover Gasket				
	1	331224	Pan Gasket Set: Except Below (.060" Thick)	O		I	
	1	331159	Pan Gasket Set: SPX3200B (.030" Thick)				
	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"				
	6	231151	Pin Bushing, w/Centered Oil Hole				
	6	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)				
	6	231153	Cam Bearing, Intermediate & Rear (Requires Machining) (4)				
	12	731135	Rod Bolt				
	1	731134	Head Bolt Kit				

(1).010 Oversize OD: 231177 (2).010 Oversize OD: 231178 (3)Use 331149 For +.010 or 331151 For +.020 (4)Cam Plug Kit: 731137

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4/1/2009

CLICK THE ITEM # TO VIEW OR PURCHASE PART

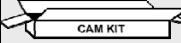
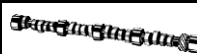
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	Tractors: White 8410;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	939514	Camshaft Kit					C
	1	939112	Valve Train Kit				V	
	1	531128	Camshaft					C
	1	531112	Cam Thrust Plate					
	12	531113	Tappet					C
	6	431143	Exhaust Valve				V	
	6	431144	Intake Valve				V	
	12	431157	Valve Wear Cap (Optional Service Repair)					
	12	431145	Ex/In Service Repair Valve Guide (.439 OD / 2.500" OAL)					
	6	431146	Exhaust Service Repair Valve Guide (.552 OD / 2.052" OAL)					
	6	431147	Intake Service Repair Valve Guide (.552 OD / 2.397" OAL)					
	12	431148	Valve Spring, Thru 21445408 or 46018270 (.185 Wire Dia) (5)				V	
	12	431158	Valve Spring, After 21445408 or 46018270 (.160 Wire Dia)					
	24	431149	Valve Keeper (Half)				V	
	12	431151	Valve Spring Retainer					
	6	431152	Exhaust Valve Seat (OEM Special Size)					
	6	401138	Exhaust Valve Seat (Universal Size / Uses Standard Cutter)					
	6	431153	Intake Valve Seat (OEM Special Size)					
	6	401139	Intake Valve Seat (Universal Size / Uses Standard Cutter)					
	6	431154	Rocker Arm, Exhaust					
	6	431155	Rocker Arm, Intake					
	6	431156	Rocker Arm Support & Shaft					
	1	531123	Cam Gear					
	1	531124	Crank Gear					
	1	531134	Injection Pump Drive Gear					
	12	531126	Push Rod					
	1	631119	New Oil Pump					
	1	631124	Oil Cooler					
	6	631126	Piston Cooling Nozzles					
	1	731112	Crankshaft					
	6	731148	Connecting Rod (Machined Split)					
	1	731176	Damper Pulley Assembly					
	1	731138	Expansion Plug Kit (Includes 26 Plugs For Head & Block)					
	1	831133	Thermostat Kit (Includes Seal) (6) "Verify With ESN"					
	1	831134	New Water Pump (Non-Hardened Pulley) (7)					
	1	831118	Fan Drive Bearing (1.375" ID)					
	1	831164	Belt Tensioner Assembly: Patriot Sprayers (8)					
	1	831135	Block Heater, Early (Cup Plug)					
	1	831139	Block Heater, Late (STORM Block 3/4" NPT)					
	1	831176	Fuel Transfer Pump: 3185, 3210, SPX3310					
	1	831121	Fuel Transfer Pump: Except Above					
	12	831138	Exhaust Manifold Bolt "Stainless Steel Option - 831175"					

(5)Can Use 431158 For Industrial (6)AGCO/White Uses 831173 (7)Use 831143 For Hardened Pulley (8)AGCO/White Uses 831114

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