

CATERPILLAR



ENGINE: 3054B (Early)
Thru 5MF 10039, 7SG 6000, CSH 234

BORE: 4.056"	4 Cyl	Diesel	Notes: Sleeveless Block, Notched Conn Rods / Rod Bearings Have Locating Tangs
APPLICATION:	Industrial Engines: 5MF 1-10039; Machine Engines: 7SG 1-6000; Marine Engines: CSH 1-234;		
Provide Engine Serial & Arrangement Number	Backhoe Loaders: Caterpillar 416D, 424D (187-8016, 204-5371); Compactors: Caterpillar CS-423E (177-9748); Telehandlers: Caterpillar TH210 (221-1380, 221-1382); TH215 (221-1380);		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974433	In-Frame Kit				I
	1	975433	Out-of-Frame Kit			O	
	4	171398	STD Piston Assembly			O	I
	4	171422	0.50 MM Piston Assembly				
	4	171513	1.00 MM Piston Assembly				
	4	171399	STD Piston Ring Set (2-2.5MM 1-3.5MM)			O	I
	4	171423	0.50 MM Piston Ring Set (2-2.5MM 1-3.5MM)				
	4	171514	1.00 MM Piston Ring Set (2-2.5MM 1-3.5MM)				
	4	271261	STD Rod Bearing (Locating Tangs For Notched Rods)			O	I
	4	271262	.010 Rod Bearing (Locating Tangs For Notched Rods)				
	4	271263	.020 Rod Bearing (Locating Tangs For Notched Rods)				
	4	271264	.030 Rod Bearing (Locating Tangs For Notched Rods)				
	1	271161	STD Main Set, wo/Thrust Washers			O	I
	1	271162	.010 Main Set, wo/Thrust Washers				
	1	271163	.020 Main Set, wo/Thrust Washers				
	1	271164	.030 Main Set, wo/Thrust Washers "Additional Sizes (4)"				
	1	271119	STD Thrust Washer Set (Offset Lug)			O	I
	1	271125	.007 Thrust Washer Set (Offset Lug)				
	1	271126	.010 Thrust Washer Set (Offset Lug)				
	1	371343	Head Gasket Set "Includes 371368 Head Gasket"			O	I
	1	371222	Valve Cover Gasket				
	4	371191	Exhaust Valve Seal (Brown)				
	4	371189	Intake Valve Seal (Green)				
	1	371385	Lower Gasket Set wo/Seals: Most Applications			O	
	1	371167	Pan Gasket Set (Cast Pan/Incls 6 Flange Gkts)				I
	1	371282	Pan Gasket (Steel Pan)				I
	1	371146	Front Crank Seal (Viton Lip Type) (5)			O	
	1	371145	Rear Crank Seal, Thru (7) (Viton Lip Type) (8)			O	
	1	371297	Rear Crank Seal, After (7) (Housing With Integral Seal) (9)			O	
	4	271198	Pin Bushing (Straight / 1.563" Pin) (10)				
	4	271289	Pin Bushing (Tapered / 1.563" Pin) (11)				
	1	271127	Cam Bearing (Finished ID)				
	8	771151	Connecting Rod Bolt (Serrated Split)				
	8	771148	Connecting Rod Nut (Serrated Split)				
	8	771368	Conn Rod Capscrew (Doweled Flat Butt Split / 1/2 x 2.766)				
	8	771323	Conn Rod Capscrew (Fractured Split / 7/16 x 2.580 12Pt)				
	1	771369	Head Bolt Kit, Late (22 Bolts / 3 Different Lengths)				
	1	771373	Head Bolt Kit, Late (22 Bolts / 4 Different Lengths)				

(4)Other Main Bearing Sizes Available: .040 - 271165 / .050 - 271166 / .060 - 271167

(5)Wear Sleeve - 301115

(7)5MF1183 or 7SG772 or CSH203

(8)Seal Housing Gasket - 371187 / Wear Sleeve - 301143

(9)Wear Sleeve - 371366

(10)Used When Taper Press Tooling Is Not Available (Machine Taper After Boring To Size) (11)Used With Proper Taper Press Tooling

X-CAT-258-A

7/22/2009

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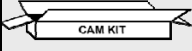
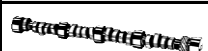
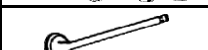
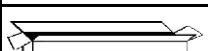
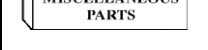
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979525	Camshaft Kit					C
	1	979155	Valve Train Kit				V	
	1	571216	Camshaft					C
	8	571123	Tappet					C
	4	471159	Exhaust Valve (45° / 42.0MM Hd Dia)				V	
	4	471312	Intake Valve (45° / 45.0MM Hd Dia)				V	
	4	471279	Exhaust Guide				V	
	4	471237	Intake Guide				V	
	8	471162	Valve Spring (1.720" Free Length)				V	
	8	471295	Valve Spring Retainer				V	
	16	471241	Keeper (Half)				V	
	4	471313	Exhaust Seat (1.737" OD)					
	4	471314	Intake Seat (1.895" OD)					
	4	471283	LH Rocker Arm, Early (Has Bushing/Adj Screw Not Incl) (12)					
	4	471284	RH Rocker Arm, Early (Has Bushing/Adj Screw Not Incl) (12)					
	1	471296	Rocker Arm Shaft, Early Design (13) "Incls 471176 Plugs"					
	4	471286	LH Rocker Arm, Late (No Bushing / Adj Screw Not Incl) (12)					
	4	471287	RH Rocker Arm, Late (No Bushing / Adj Screw Not Incl) (12)					
	1	471311	Rocker Arm Shaft, Late Design (13) "Incls 471176 Plugs"					
	1	571171	Cam Gear (Steel / 56 Teeth)					
	8	571117	Push Rod					
	1	671114	Oil Pump: Engines Without Balancers					
	1	671176	Oil Pump Idler Gear "Includes 571124 Idler Gear Bush"					
	1	671122	Oil Pump: Engines With Balancers					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	771181	Crank Kit (Spline / Lip)					
	4	771351	Conn Rod (6.5211-6.5224 / Grade H / White Mark)					
	4	771352	Conn Rod (6.5193-6.5206 / Grade J / Green Mark)					
	4	771353	Conn Rod (6.5175-6.5188 / Grade K / Purple Mark)					
	4	771354	Conn Rod (6.5157-6.5170 / Grade L / Blue Mark)					
	1	771374	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771372	Expansion Plug Kit (16 Head & Block Plugs)					
	1	871263	Thermostat, Engines With Gear Drive Water Pump					
	1	871272	Bypass Hose Kit, Engines With Gear Drive Water Pump					
	1	871224	Water Pump, Gear Drive					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut-571139 / Bushing-471297 (13)Shaft Snap Ring - 471228

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