

CATERPILLAR



ENGINE: 3054

BORE: 3.938"	4 Cyl	Diesel	Notes: Intercooled, Graded Fastram Pistons, Liners w/Fire Dam, Notched Rods
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APPLICATION: Machine Engines: 5HK, 7BJ; Truck Engines: 6NR (128-6837);
Excavators: M312, M315 (107-9665); Tool Carriers: IT14G (107-4860, 203-0762);
Wheel Loaders: 914G (107-4860, 203-0762);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974468	In-Frame Kit				I
	1	975468	Out-of-Frame Kit		O		
	4	171519	Sleeve & Piston Asb (Grade J-L / 2.7640" Compression Dist)		O		I
	4	171521	Piston Assembly (Grade J-L / 2.7640" Compression Dist)				
	4	171522	Piston Assembly (Grade F-H / 2.7677" Compression Dist)				
	4	171367	Cylinder Liner (Flange/Finished/Fire Dam/4.1035" OD) (1)				
	4	171366	Cylinder Liner (Flange/Semi-Finished/FD/4.1055" OD) (2)				
	4	171468	005 Liner Shim				
	4	171281	Ring Set (1-3.5K 1-2.5 1-4.0)				
	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	371325	Head Gasket Set		O		I
	1	371155	Head Gasket				
	1	371218	Valve Cover Gasket (Aluminum Cover)				
	1	371221	Valve Cover Gasket (Composite Cover)				
	8	371143	Valve Seal				
	1	371394	Lower Gasket Set wo/Seals		O		
	1	371393	Timing Cover Gasket				
	1	371282	Pan Gasket (Steel Pan)				I
	1	371146	Front Crank Seal (Viton Lip Type) (5)		O		
	1	371145	Rear Crank Seal, Early (Viton Lip Type) (6)		O		
	1	371297	Rear Crank Seal & Housing, Late (7) (8)				
	4	271244	Pin Bush, Butt Split Rod (Straight / 1.563" Pin / 1.660" OD)				
	4	271198	Pin Bush, Fractured Rod (Straight/1.563" Pin/1.698" OD) (10)				
	4	271289	Pin Bush, Fractured Rod (Taper/1.563" Pin/1.698" OD) (11)				
	1	271127	Cam Bearing (Finished ID)				
	8	771368	Rod Capscrew (Doweled Flat Butt Split/1/2 x 2.766 Hex Hd)				
	8	771323	Rod Capscrew (Fractured Split / 7/16 x 2.580 12 Pt Head)				
	1	771319	Head Bolt Kit (22 Bolts)				

(1).010 OS Finished Liner - 171368 (2).020 OS Semi-Finished Liner - 171511 (4).040 - 271165 / .050 - 271166 / .060 - 271167
(5)Wear Sleeve-301115 (6)Lip Seal Hsg Gkt-371187 / Wear Sleeve-301143 (7)Wear Sleeve-371366 (8)Not Included In Engine Kits
(10)Used When Taper Press Tooling Is Not Available (Machine Taper After Boring To Size) (11)Used With Proper Taper Press Tooling

X-CAT-243-M

10/28/2009

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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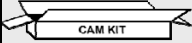
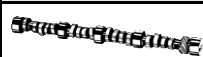
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979523	Camshaft Kit					C
	1	979152	Valve Train Kit (High Speed / 30° Intake / Dual Springs)					
	1	571129	Camshaft "Uses 771363 (M12 x 45) Capscrew"					C
	1	271249	Thrust Washer					
	8	571123	Tappet					C
	4	471129	Exhaust Valve (45° / 37.5MM Hd Dia)				V	
	4	471126	Intake Valve (30° / 45.0MM Hd Dia)				V	
	4	471132	Exhaust Guide				V	
	4	471131	Intake Guide				V	
	8	471144	Outer Valve Spring (8 Coils / 1.8" Free Length)				V	
	8	471143	Inner Valve Spring (9 Coils / 1.7" Free Length)				V	
	8	471229	Spring Seat (Stepped/.640" ID)				V	
	16	471146	Keeper (Half)				V	
	4	471315	Exhaust Seat					
	4	471292	Intake Seat (30°)					
	4	471224	LH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	4	471225	RH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	1	471227	Rocker Arm Shaft (13) "Includes 471176 Plugs"					
	1	571171	Cam Gear (Steel / 56 Teeth)					
	1	571131	Crank Gear (28 Teeth / 1.632" Wide)					
	8	571117	Push Rod					
	1	671115	Oil Pump					
	1	671176	Oil Pump Idler Gear "Includes Idler Gear Bush - 571124"					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	771181	Crank Kit (Spline / Lip) "Front Plate & Screws - 771361"					
	4	771352	Connecting Rod (1.563" Pin)					
	1	771366	Cylinder Head Assembly, Intercooled (Deep Valves / 30° Int)					
	1	771359	Expansion Plug Kit (20 Head & Block Plugs)					
	1	871138	Thermostat (2.125" / Bypass)					
	1	871274	Bypass Hose Kit					
	1	871163	Water Pump: Except Excavators					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut - 571139

(13)Rocker Arm Shaft Snap Ring - 471228

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