

CATERPILLAR

ENGINE: 3054



BORE: 3.938"	4 Cyl	Diesel	Notes: Fastram Piston, Notched Rod, 30° Valves
APPLICATION:	Gensets: 2PW; Industrial Engines: 5YS; Machine Engines: 5HK, 7BJ;		
Provide Engine Serial & Arrangement Number	Backhoe Loaders: Cat 416C, 416D, 420D, 426C, 428C, 428D, 430D, 432D, 436C, 438C, 438D, 442D;		
	Compactors: Cat CP323C, CS323C, CB434C, PS150B; Excavators: Cat 312B, 312B L, 315B L;		
	Wheel Loaders: Cat 908;		

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974422	In-Frame Kit				I
	1	975422	Out-of-Frame Kit		O		
	1	976422	Major Kit	M			
	4	171374	Sleeve & Piston Assembly	M	O		I
	4	171376	Piston Assembly				
	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	171377	Piston Ring Set (1-3.5MM 1-2.5MM 1-3.5MM)				
	4	271261	STD Rod Bearing (Locating Tangs For Notched Rods)	M	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	M	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)	M	O		I
	1	271125	.007 Thrust Washer Set (Offset Lug)				
	1	271126	.010 Thrust Washer Set (Offset Lug)				
	1	371344	Head Gasket Set	M	O		I
	1	371155	Head Gasket				
	1	371222	Valve Cover Gasket				
	4	371191	Exhaust Valve Seal (Brown)				
	4	371188	Intake Valve Seal (Green)				
	1	371385	Lower Gasket Set wo/Seals	M	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) (7)	M	O		
	1	371145	Rear Crank Seal (5) (Viton Lip Type) (8)	M	O		
	1	371297	Rear Crank Seal & Housing (6) (9)	M	O		
	4	271198	Pin Bushing (Straight / 1.563" Pin) (10)	M			
	4	271289	Pin Bushing (Tapered / 1.563" Pin) (11)				
	1	271127	Cam Bearing (Finished ID)	M			
	8	771151	Connecting Rod Bolt (Serrated Split)	M			
	8	771148	Connecting Rod Nut (Serrated Split)	M			
	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)2PW Thru 501; 5HK; 5YS Thru 11021; 7BJ Thru 54855;

(6)2PW After 501; 5YS After 11021; 7BJ After 54855

(7)Wear Sleeve - 301115

(8)Lip 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-243-3

10/21/2009

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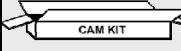
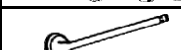
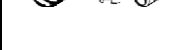
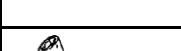
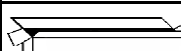
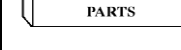
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979524	Camshaft Kit					C
	1	979153	Valve Train Kit (30° Valves)				V	
	1	571215	Camshaft					C
	1	271249	Thrust Washer					
	8	571123	Tappet					C
	4	471157	Exhaust Valve (30° / 41.0MM Hd Dia)				V	
	4	471155	Intake Valve (30° / 43.0MM Hd Dia)				V	
	4	471279	Exhaust Guide				V	
	4	471237	Intake Guide				V	
	8	471161	Valve Spring (1.860" Free Length)				V	
	16	471241	Keeper (Half)				V	
	4	471293	Exhaust Seat (1.717" OD)					
	4	471294	Intake Seat (1.796" OD)					
	4	471283	LH Rocker Arm (Screw & Nut Not Incl) (12)					
	4	471284	RH Rocker Arm (Screw & Nut Not Incl) (12)					
	1	471296	Rocker Arm Shaft (Incls 471176 Plugs) (13)					
	1	571172	Cam Gear: Supply AR# (Cast / 56 Teeth)					
	1	571171	Cam Gear: Supply AR# (Steel / 56 Teeth)					
	1	571131	Crank Gear: Supply AR# (Cast / 28 Teeth / 1.632" Wide)					
	1	571217	Crank Gear: Supply AR# (Steel / 28 Teeth / 1.632" Wide)					
	8	571117	Push Rod					
	1	671115	Oil Pump: Engines Without Balancer					
	1	671176	Oil Pump Idler Gear "Includes 571124 Idler Gear Bush"					
	1	671122	Oil Pump: Engines With Balancer					
	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	771377	Cylinder Head Assembly (Includes 30° Valves & Springs)					
	1	771365	Expansion Plug Kit (17 Head & Block Plugs)					
	1	871263	Thermostat					
	1	871272	Bypass Hose Kit					
	1	871224	Water Pump					
	1	871182	Manifold Heater Plug (Blade Terminal)					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut-571139 / Bushing-471297

(13)Shaft Snap Ring - 471228

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