

IPD parts for Caterpillar® G3512 Engines

VALVE TRAIN AND CYLINDER HEAD COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Spacer Plate	2603904	12	
Valve, Intake and Exhaust	1047184	48	20 Degree
Valve, Intake and Exhaust	3089177	48	LANDFILL ONLY
Lock, Valve	2A4429	96	
Spring, Inner Valve	7N1903	48	
Spring, Outer Valve	7N1904	48	
Washer	2090962	48	
Rotocoil	1976999	48	
Guide, Intake	9Y1847	24	
Guide, Exhaust	9Y1846	24	
Guide, Intake Methane (Landfill)	1845495	24	
Guide, Exhaust Methane (Landfill)	1845494	24	
Seal, Valve Stem Methane	1977006	24	
Insert, Intake and Exhaust	611713	48	.460" Depth
Plug Cup	3B0623	60	25.73 mm OD
Seal, O-Ring	3J7354	24	
Plug Cup	3B0645	60	32.08 mm OD
Water Seal	3251412	48	
Water Seal	3251410	48	
Lifter, Valve	3467515	24	
Repair Kit, Valve Lifter	2636679RK	24	
Spring, Lifter Guide	7N4782	24	Lifter Clip
Rocker Arm Button	8F8858	24	
Retaining Ring	9F7707	24	
Screw, Rocker Arm Adjusting	2002003	24	
GASKET SETS AND MISCELLANEOUS GASKETS			
Overhaul Gasket Set	512011	1	4KC1-UP Magneto Ignition
Overhaul Gasket Set	512021	1	5JD1-UP Electronic Ignition
In Frame Gasket Set	512012	1	4KC1-UP Magneto Ignition
In Frame Gasket Set	512022	1	5JD1-UP Electronic Ignition
Multiple Cylinder Head Gasket Set	512013	1	4KC1-UP Magneto Ignition
Multiple Cylinder Head Gasket Set	512023	1	5JD1-UP Electronic Ignition
Multiple Cylinder Head Gasket Set	512113	1	5JD1-UP , 7NJ1-UP Late E.I.S.
Single Cylinder Head Gasket Set	508044EM	12	E.I.S. And Magneto Ignition Systems
Single Cylinder Head Gasket Set	516114	12	Dry Ceramic Manifold
Oil Pan Gasket	7E2630	1	
Block Side Cover Seal	2720757	12	
Camshaft Cover Seal	2720758	12	
Valve Cover Seal	2720759	12	

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ENGINE BEARINGS AND BUSHINGS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Main Bearing Standard	1496031	7	
Main Bearing .025"	1496032	A/R	
Rod Bearing Standard	1077330	12	
Rod Bearing .025"	1077331	A/R	
Thrust Plate	7C6209	2	
Cam Bearing	7N2048	14	Early Style
Cam Bearing	1161359	14	Late Style
Bushing, Connecting Rod	1181655	12	
Idle Bushing	8N5301	1	
Bushing, Rocker Arm	1W4594	24	
CYLINDER KITS AND COMPONENTS			
Piston and Liner Assembly	PLG1014140	12	8.0:1 Compression Ratio
Piston and Liner Assembly	PLG6I4609	12	11.0:1 Compression Ratio
Piston and Liner Assembly	PLG1973765	12	11.0:1 Comp. Ratio Gallery Cooled
Piston Body	1014140	12	8.0:1 Compression Ratio
Piston Body	6I4609	12	11.0:1 Compression Ratio
Piston Body	1973765	12	11.0:1 Comp. Ratio Gallery Cooled
Ring Group	7E2899	12	
Liner, Cylinder	1106993	12	8.3317" (Thick Flange)
Pin, Piston	1388506	12	
Retainer, Piston Pin	8N7296	24	
Gasket Kit (Liner O Rings and Seal)	3535995	12	3-7N2046 ,1-8N4707 and 1-3526061
COOLING SYSTEM COMPONENTS			
Regulator, Water Temperature	6I4950	4	180 Degree
Regulator, Water Temperature	7C3095	4	190 Degree
Regulator, Water Temperature	2485513	4	180 Degree New Sealed Design
Regulator, Water Temperature	2477133	4	190 Degree New Sealed Design
Seal, Regulator	3S9643	4	

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COOLING SYSTEM COMPONENTS Continued			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Water Pump Groups 6I3520, 7E9781, 7E9782, 2128168, 2128169, 2128166			
<i>Water Pump Rebuild Kit</i>	2944935	1	Contains items below
Seal Group - Basic	2624378	1	With Correct Water Pump Group
Washer - Thrust	5N4383	2	With Correct Water Pump Group
Shim-Carrier	8M2933	4	With Correct Water Pump Group
Seal-Lip Type	9X4594	1	With Correct Water Pump Group
Bearing-Sleeve	1275400	1	With Correct Water Pump Group
Shaft (Straight Joint Press Fit)	2128179	1	With Correct Water Pump Group
Impeller (Press Fit)	2128183	1	With Correct Water Pump Group
Water Pump Groups 1664381, 1664378, 2128172, 2128177			
<i>Water Pump, New</i>	2128177	1	With Correct Water Pump Group
<i>Water Pump Rebuild Kit</i>	2225152	1	Contains items below
Bolt	0S1618	2	With Correct Water Pump Group
Seal-O-Ring	3D2824	1	With Correct Water Pump Group
Filter	4N5834	2	With Correct Water Pump Group
Washer - Thrust	7N4758	1	With Correct Water Pump Group
Seal-Lip Type	8C5236	1	With Correct Water Pump Group
Washer-Hard	9M1974	2	With Correct Water Pump Group
Ring As.	1664374	1	With Correct Water Pump Group
Seal Gp-E	1664376	1	With Correct Water Pump Group
Shaft (Straight Joint Press Fit)	2128180	1	With Correct Water Pump Group
Impeller (Press Fit)	2128184	1	With Correct Water Pump Group
Water Pump Groups 1664380, 1664377, 2128175, 2128176			
<i>Water Pump, New</i>	2128176	1	With Correct Water Pump Group
<i>Water Pump Rebuild Kit</i>	2225153	1	Contains items below
Bolt	0S1618	2	With Correct Water Pump Group
Seal-O-Ring	3D2824	1	With Correct Water Pump Group
Filter	4N5834	2	With Correct Water Pump Group
Washer - Thrust	7N4758	1	With Correct Water Pump Group
Seal-Lip Type	8C5236	1	With Correct Water Pump Group
Washer-Hard	9M1974	2	With Correct Water Pump Group
Ring As.	1664374	1	With Correct Water Pump Group
Seal Gp-E	1664376	1	With Correct Water Pump Group
Shaft (Straight Joint Press Fit)	2128180	1	With Correct Water Pump Group
Impeller (Press Fit)	2128187	1	With Correct Water Pump Group
CRANKSHAFT COMPONENTS			
Seal, Crankshaft Front	1138432	1	Standard Rotation
Seal, Crankshaft Rear	1138433	1	Standard Rotation