

# IPD parts for Caterpillar® G3516 Engines

<b>VALVE TRAIN AND CYLINDER HEAD COMPONENTS</b>			
<b>DESCRIPTION</b>	<b>PART NUMBER</b>	<b>QTY. REQ.</b>	<b>COMMENTS</b>
Spacer Plate	2603904	16	
Valve, Intake and Exhaust	1047184	64	20 Degree
Valve, Intake and Exhaust	3089177	64	LANDFILL ONLY
Lock, Valve	2A4429	128	
Spring, Inner Valve	7N1903	64	
Spring, Outer Valve	7N1904	64	
Washer	2090964	64	
Rotocoil	1976999	64	
Guide, Intake	9Y1847	32	
Guide, Exhaust	9Y1846	32	
Guide, Intake Methane ( Landfill )	1845495	32	
Guide, Exhaust Methane ( Landfill )	1845494	32	
Seal, Valve Stem Methane	1977006	32	
Insert, Intake and Exhaust	6I1713	64	.460" Depth
Plug Cup	3B0623	80	25.73 mm OD
Seal, O-Ring	3J7354	32	
Plug Cup	3B0645	80	32.08 mm OD
Water Seal	3251412	64	
Water Seal	3251410	64	
Lifter, Valve	3467515	32	
Repair Kit, Valve Lifter	2636679RK	A/R	
Spring, Lifter Guide	7N4782	32	Lifter Clip
Rocker Arm Button	8F8858	32	
Retaining Ring	9F7707	32	
Screw, Rocking Arm Adjusting	2002003	32	
<b>GASKET SETS AND MISCELLANEOUS GASKETS</b>			
Overhaul Gasket Set	516011	1	3RC 1-UP Magneto Ignition
Overhaul Gasket Set	516021	1	8LD 1-UP, 4EK 1-UP E.I.S. Wet Manifold
Overhaul Gasket Set	516111	1	8LD 1-UP, 4EK 1-UP E.I.S. Dry Manifold
In Frame Gasket Set	516012	1	3RC 1-UP Magneto Ignition
In Frame Gasket Set	516022	1	8LD 1-UP, 4EK 1-UP E.I.S.
Multiple Cylinder Head Gasket Set	516013	1	3RC 1-UP Magneto Ignition
Multiple Cylinder Head Gasket Set	516023	1	8LD 1-UP, 4EK 1-UP E.I.S. Wet Manifold
Multiple Cylinder Head Gasket Set	516113	1	8LD 1-UP, 4EK 1-UP E.I.S. Wet Manifold
Single Cylinder Head Gasket Set	508044EM	16	E.I.S. And Magneto Ignition Systems
Single Cylinder Head Gasket Set	516114	16	Dry Ceramic Manifold
Oil Pan Gasket	7E2632	1	
Block Side Cover Seal	2720757	16	
Camshaft Cover Seal	2720758	16	
Valve Cover Seal	2720759	16	

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<b>ENGINE BEARINGS AND BUSHINGS</b>			
<b>DESCRIPTION</b>	<b>PART NUMBER</b>	<b>QTY. REQ.</b>	<b>COMMENTS</b>
Main Bearing Standard	1496031	9	
Main Bearing .025"	1496032	A/R	
Rod Bearing Standard	1077330	16	
Rod Bearing .025"	1077331	A/R	
Thrust Plate	7C6209	2	
Cam Bearing	7N2048	18	Early Style
Cam Bearing	1161359	18	Late Style
Bushing, Connecting Rod	1181655	16	
Idle Bushing	8N5301	1	
Bushing, Rocker Arm	1W4594	32	
<b>CYLINDER KITS AND COMPONENTS</b>			
Piston and Liner Assembly	PLG1014140	16	8.0:1 Compression Ratio
Piston and Liner Assembly	PLG6I4609	16	11.0:1 Compression Ratio
Piston and Liner Assembly	PLG1973765	16	11.0:1 Comp. Ratio Gallery Cooled
Piston Body	1014140	16	8.0:1 Compression Ratio
Piston Body	6I4609	16	11.0:1 Compression Ratio
Piston Body	1973765	16	11.0:1 Comp. Ratio Gallery Cooled
Ring Group	7E2899	16	
Liner, Cylinder	1106993	16	8.3317" ( Thick Flange )
Pin, Piston	1388506	16	
Retainer, Piston Pin	8N7296	32	
Gasket Kit (Liner O Rings and Seal)	3535995	16	3-7N2046 ,1-8N4707 and 1-3526061
<b>COOLING SYSTEM COMPONENTS</b>			
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
<b>Water Pump Groups 6I3520, 7E9781, 7E9782, 2128168, 2128169, 2128166</b>			
<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
<b>Water Pump Groups 1664381, 1664378, 2128172, 2128177</b>			
<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
<b>Water Pump Groups 1664380, 1664377, 2128175, 2128176</b>			
<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
<b>CRANKSHAFT COMPONENTS</b>			
Seal, Crankshaft Front	1138432	1	Standard Rotation
Seal, Crankshaft Rear	1138433	1	Standard Rotation