

IPD parts for Caterpillar® G3304 Engines

VALVE TRAIN AND CYLINDER HEAD COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Engine Serial # 37Y 1 - 1019			
Valve , Exhaust	2W2877	4	Short Style 5.470"
Valve , Intake	2W2621	4	Short Style 5.470"
Guide, Intake & Exhaust	4W9176	8	
Plug , Rocker Arm Shaft End	0L1026	2	
Insert, Valve Seat Exhaust	7N1649	4	
Insert, Valve Seat Intake	1070268	4	
Valve Lock	2A4429	16	
Rotocoil	1031800	8	Turbocharged
Rotocoil	1W5300	8	Natural Aspirated (Includes 6N7174)
Shield	6N7174	8	
Nut, Rocker Arm Adjusting	1B4203	8	
Spring, Valve	7S7144	8	
Valve Lifter	7S3161	8	
Water Director Seal Ring	9Y1798	12	
Water Director Seal Ring	7N8018	4	
Plug, Cup	3B0623	4	
Spark Plug Adapter	7N1743	4	
Spark Plug Adapter Gasket	2N7174	4	Metal Gasket
Spark Plug Adapter Seal	7S3206	4	
Engine Serial # 37Y 1020 - Up N4F 1 - Up			
Valve , Exhaust	7W7491	4	Long Style 6.400"
Valve , Intake	7W7490	4	Long Style 6.400"
Guide, Intake & Exhaust	9Y7895	8	
Intake Valve Guide Seal	7W9143	4	
Spacer, Valve Guide	7W7488	8	
Insert, Valve Seat Exhaust	7N1649	4	
Insert, Valve Seat Intake	1070268	4	
Valve Lock	2A4429	16	
Rotocoil	1031800	8	Turbocharged
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GASKET SETS AND MISCELLANEOUS GASKETS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Overhaul Gasket Set	304151	1	37Y 1 - Up
In Frame Overhaul Set	304152	1	37Y 1 - Up
Cylinder Head Gasket Set	304153	1	37Y 1 - Up
Oil Pan Gasket	8S1963	1	Sump to Plate
Oil Pan Plate Gasket	5S6045	1	Plate to Cylinder Block
Valve Cover Gasket	8S1606	1	If Long Valves Order 1 Additional
ENGINE BEARINGS AND BUSHINGS			
Main Bearing Standard	2323233	5	
Main Bearing .010"	8N8225	A/R	
Main Bearing .020"	8N8226	A/R	
Main Bearing .030"	8N8227	A/R	
Rod Bearing Standard	4W5739	4	
Rod Bearing .010"	8N8221	A/R	
Rod Bearing .020"	8N8222	A/R	
Rod Bearing .030"	8N8223	A/R	
Thrust Plate	1003652	2	
Cam Bearing	7M4046	2	
Cam Bearing	9M5477	1	
Balance Shaft Bushings	9Y2991	4	
Balance Shaft Bushings	9Y2992	2	
Bushing, Connecting Rod	8N0702	4	Straight Rod 37Y 1 - 472
Bushing, Connecting Rod	8N1985	4	Tapered Rod 37Y 473 - UP N4F 1 - Up
CYLINDER KITS AND COMPONENTS			
Piston and Liner Assembly	PLG4P2654	4	10.5 : 1 CR
Piston and Liner Assembly	PLG4P2655	4	8.1 : 1 CR
Piston Body	4P2654	4	10.5 : 1 CR
Piston Body	4P2655	4	8.1 : 1 CR
Ring Group	3300RS5	4	1 Each 4P2656, 4P2657, 4P2658
Liner, Cylinder	1105800	4	
NOTE: Pistons will fit only NEW STYLE tapered connecting rods			

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CYLINDER KITS AND COMPONENTS Continued			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Pin, Piston	7N9804	4	1.50" Pin
Retainer, Piston Pin	9H4015	8	
Gasket Kit (Liner O Rings and Seal)	5P8768	4	Includes 3 5S6670 and 1 2W6134
Connecting Rod	8N1984	4	Tapered Rod, NEW
NOTE: Pistons will fit only NEW STYLE tapered connecting rods			
COOLING SYSTEM COMPONENTS			
Regulator, Water Temperature 175'	1118010	1	175 Degree
Regulator, Water Temperature 190'	1167577	1	190 Degree
Gasket, Regulator	7N0944	2	
Water Pump Overhaul Kit	IPD7055	A/R	See Note
Water Pump Overhaul Kit	IPD1616	A/R	See Note
Water Pump Rebuild Kit	1W7054	A/R	37Y 1-372 with shaft # 1P9929
Water Pump Rebuild Kit	1W7055	A/R	37Y 373 - up with shaft # 7N5899
Water Pump Rebuild Kit	8T1616	A/R	37Y 373 - up with shaft # 2W7255
Impeller, Water pump	7N5910	1	37Y 373 - Up
Seal Group, Water Pump	1313815	1	37Y 1 - 372
Seal Group, Water Pump	4W3864	1	37Y 373 - Up
Seal, Water Pump Oil	6V3988	1	37Y 1 - Up
Seal, Water Pump Oil	8C5210	1	37Y 373 - Up (Optional Teflon)
Shaft, Water Pump	1P9929	1	37Y 1 - 372
Shaft, Water Pump	2W7255	1	With Correct Serial & Arrangement #
Shaft, Water Pump	7N5899	1	With Correct Serial & Arrangement #
Bearing, Water Pump Drive Gear	1B3867	1	
Bearing, Water Pump Drive Gear	6H3957	1	
Filter, Weep Hole	4N5834	1	37Y 373 - Up
Bolt, Gear Retaining	5P0076	1	37Y 373 - Up
Bolt, Impeller Retaining	4L6454	1	
Gasket, Water Pump Cover	8N5928	1	
Lock washer, Gear Retaining Bolt	3B4506	1	
Plug, Pipe	5M6213	1	
Seal Ring, Water Pump Mounting	5F3106	1	
Washer, Impeller	9M6527	1	
Washer, Water Pump Cover	5M2894	4	
IPD Overhaul Kit contains shaft, bearings, seals, and gaskets for complete overhaul and mounting.			

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OIL SYSTEM COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Oil Pump Group	6I1346	1	New, Double Stage
Oil Pump Repair Kit	IPD1346RK	1	For 6I1346 Oil Pump
Shaft, Assembly	8S0493	1	
Shaft, Assembly	2P6245	1	
Gear, Oil Pump	6N1036	2	8 Teeth
Valve, Pressure Relief	4P3546	1	
Key	1B8709	1	
Bolt	0S1591	1	
Valve, Pressure Relief	4P3546	1	
Oil Cooler	7N0110	1	
Oil Pump Part For Both Single and Double Stage Oil Pumps			
Oil Pump Idler Bushing	1969988	1	
Bearing	8S6511	4	
Idler Bushing	1950302	1	
Oil Pump Idler Shaft	2P1170	1	
MISCELLANEOUS COMPONENTS			
Crankshaft Components			
Crankshaft	4N7692	1	37Y 1 - 1583 New
Crankshaft Seal, Rear	4W0452	1	
Crankshaft Seal, Front	9Y9895	1	
Crankshaft Wear Sleeve, Rear	2P3858	1	
Plugs	9F2247	4	
Camshaft Components			
Camshaft Kit	9Y1723	1	Contains Camshaft and Lifters
Camshaft	7C3862	1	New
Lifters	7S3161	8	
Camshaft Lock	8S1491	1	
Cylinder Block Repair			
Sleeve, Counterbore Salvage	5P1622	A/R	" L " Type
Sleeve, Counterbore Salvage	5P1622O/S	A/R	" L " Type Oversize