

# IPD parts for Caterpillar® G398 Engines

VALVE TRAIN AND CYLINDER HEAD COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
<b>Engine Serial # 73B 1 - Up</b>			
<b>For Cylinder Heads Using 3/8" Stem Valves</b>			
Valve , Exhaust	2W3211	12	
Valve , Intake	1W8606	12	
Guide, Exhaust	2N9299	12	
Guide, Intake	2N9298	12	
Insert, Valve Seat Exhaust	1S5738	12	
Insert, Valve Seat Intake	5S1757	12	
Valve Lock	2A4429	48	
Rotocoil	7N7639	24	Use With Correct Springs
Spring, Valve Inner ( Double )	9M5349	24	Use With 7N7639 Rotocoil
Spring, Valve Outer ( Double )	9M5350	24	Use With 7N7639 Rotocoil
Spring, Valve ( Single )	7S6323	24	Use With 7N7639 Rotocoil
Shield	8N7780	12	
Retainer, Spring Exhaust	2N9297	12	
Retainer, Spring Intake	1W3062	12	Includes 8N7780 Shield
Spacer, Valve Guide	3N1414	24	
Button, Rocker Arm	8F8858	24	
Ring, Button Retaining	9F7707	24	For 8F8858
Screw, Rocker Arm Adjusting	1A0744	24	
Bushing, Rocker Arm	3F7445	24	
Plug	3B0645	48	8 Per Cylinder Head
Spark Plug Adapter	7L0918	12	
Spark Plug Adapter Gasket	6L1576	12	Metal Gasket
Spark Plug Adapter Seal	6L7816	12	
Lifter, Valve	1021561	24	
Director, Water	5H7071	48	
<b>For Cylinder Heads Using 1/2" Stem Valves</b>			
Valve , Exhaust	8N3723	12	Serial # 73B 1 - 81
Valve , Exhaust	5S5323	12	With Correct Serial Numbers
Valve , Intake	7M7817	12	
Guide, Exhaust	6N8847	12	
Guide, Intake	4N3664	12	
Insert, Valve Seat Exhaust	1S5738	12	
Insert, Valve Seat Intake	5S1757	12	
Valve Lock	3B1143	72	
Rotocoil	7N7639	24	Use With Correct Springs

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For Cylinder Heads Using 1/2" Stem Valves Continued			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Spring, Valve Inner ( Double )	9M5349	24	Use With 7N7639 Rotocoil
Spring, Valve Outer ( Double )	9M5350	24	Use With 7N7639 Rotocoil
Spring, Valve ( Single )	7S6323	24	Use With 7N7639 Rotocoil
Shield	8N7780	12	
Retainer, Spring Exhaust	3B1142	12	
Retainer, Spring Intake	3H5867	12	Use with 8F9206
Spacer, Valve Guide	3N1414	24	
Button, Rocker Arm	8F8858	24	
Ring, Button Retaining	9F7707	24	For 8F8858
Screw, Rocker Arm Adjusting	1A0744	24	
Bushing, Rocker Arm	3F7445	24	
Plug	3B0645	48	8 Per Cylinder Head
Spark Plug Adapter	7L0918	12	
Spark Plug Adapter Gasket	6L1576	12	Metal Gasket
Spark Plug Adapter Seal	6L7816	12	
Lifter, Valve	1021561	24	
Director, Water	5H7071	48	
<b>GASKET SETS AND MISCELLANEOUS GASKETS</b>			
Overhaul Gasket Set	398081	1	73B 1 - 905 Non Turbocharged
Overhaul Gasket Set ( Composite )	398081CP	1	73B 1 - 905 Non Turbocharged
Overhaul Gasket Set	398161	1	73B 906 - Up Non Turbocharged
Overhaul Gasket Set ( Composite )	398161CP	1	73B 906 - Up Non Turbocharged
Overhaul Gasket Set	398091	1	73B 906 - Up Turbocharged, Aftercooled
Overhaul Gasket Set ( Composite )	398091CP	1	73B 906 - Up Turbocharged, Aftercooled
In Frame Gasket Set	398162	1	73B 906 - Up Non Turbocharged
In Frame Gasket Set ( Composite )	398162CP	1	73B 906 - Up Non Turbocharged
In Frame Gasket Set	398092	1	73B 906 - Up Turbocharged, Aftercooled
In Frame Gasket Set ( Composite )	398092CP	1	73B 906 - Up Turbocharged, Aftercooled
Multiple Cylinder Head Gasket Set	398083	1	73B 1 - 905 Non Turbocharged
Multiple Cylinder Head Gasket Set	398083CP	1	73B 1 - 905 Non Turbocharged
Multiple Cylinder Head Gasket Set	398163	1	73B 906 - Up Non Turbocharged
Multiple Cylinder Head Gasket Set	398163CP	1	73B 906 - Up Non Turbocharged
Multiple Cylinder Head Gasket Set	398093	1	73B 906 - Up Turbocharged, Aftercooled
Multiple Cylinder Head Gasket Set	398093CP	1	73B 906 - Up Turbocharged, Aftercooled
Single Cylinder Head Gasket Set	399054	6	73B 1 - Up Includes Ferrule Assemblies
Single Cylinder Head Gasket Set	399054CP	6	73B 1 - Up Includes Ferrule Assemblies

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<b>GASKET SETS AND MISCELLANEOUS GASKETS Continued</b>			
<b>DESCRIPTION</b>	<b>PART NUMBER</b>	<b>QTY. REQ.</b>	<b>COMMENTS</b>
Cylinder Head Gasket ( Metal Clad )	3N3220	6	
Cylinder Head Gasket ( Composite )	3N3220CP	6	
Gasket, Oil Pan	8L5457	1	
Gasket, Side Door	1F9223	6	
Gasket, Valve Cover	6L3352	6	Old Style
Seal, Valve Cover	2N3597	6	New Style
Gasket, Water Cover	1F4419	6	
Water Pump Gasket Set	3S1723	1	Check Serial Number
Water Pump Gasket Set	6V5426	1	73B 1 - 905
Water Pump Gasket Set	6V6384	1	73B 906 - 1310
Water Pump Gasket Set	6V6385	1	73B 1311 - Up
<b>NOTE: " CP " following part number indicates set contains IPD Composite Cylinder Head Gasket</b>			
<b>ENGINE BEARINGS AND BUSHINGS</b>			
Main Bearing Standard	8N7764	7	
Main Bearing .025"	8N7765	7	
Main Bearing .050"	8N7766	7	
Rod Bearing Standard	8N7769	12	
Rod Bearing .025"	8N7770	12	
Rod Bearing .050"	8N7771	12	
Thrust Plates	4L4653	2	
Cam Bearing	5L2894	7	
Bushing, Connecting Rod	8N2275	12	
Bushing, Rocker Arm	3F7445	24	
<b>CYLINDER KITS AND COMPONENTS</b>			
Piston and Liner Assembly	PLG3S1824	12	7.0 : 1 CR
Piston and Liner Assembly	PLG3S1826	12	10.0 : 1 CR
Piston Body	3S1824	12	7.0 : 1 CR
Piston Body	3S1826	12	10.0 : 1 CR
Liner, Cylinder	8N9174	12	
Ring Group	1W6055	12	
Pin, Piston	7N9810	12	
Retainer, Piston Pin	7M4926	24	
Gasket Kit (Liner O Rings and Seal)	5P8970	12	Contains 3 - 6L7815 and 1 - 8N4708

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<b>COOLING SYSTEM COMPONENTS</b>			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Regulator, Water Temperature 170'	6I4954	4	170 Degree
Regulator, Water Temperature 180'	4W4794	4	180 Degree
Regulator, Water Temperature 190'	7C3095	4	190 Degree
Regulator, Water Temperature 170'	1209453	4	New Sealed Design
Regulator, Water Temperature 180'	2485513	4	New Sealed Design
Regulator, Water Temperature 190'	2477133	4	New Sealed Design
Gasket, Regulator Housing	2N0741	4	
Seal, Regulator	3S9643	4	
Water Pump Rebuild Kit	1W7080	1	With 5N4378 Water Pump Shaft
Seal Assembly	4N7526	1	Large Case
Seal Assembly	1664376	1	
Shaft, Water Pump	5N4378	1	Long Shaft
Shaft, Water Pump	5N1883	1	Short Shaft
Seal, O Ring	1H8278	1	
Ring	2S3966	1	Use With 4N7526
Washer, Sealing	5L5840	8	
Seal, Rubber	3S3535	1	Use With 2S3966
Gasket, Shim	4L6706	A/R	Use 1 to 10
Gasket, Drain Plug	5B3265	1	
Gasket, Water Pump Mounting	4L3437	1	
Bearing, Water Pump	4L3756	1	
Bearing, Fresh Water Pump	5L2660	2	1 in Water Pump and 1 in Carrier
Lock	7F7510	A/R	
Seal	8J6775	8	
Gasket, Retainer	4L9965	1	
Seal, Shaft Oil	2N2560	1	
Washer, Hardened	5M2894	8	Use With 5L5840
Adapter	6N4744	1	Use With 6N9313
Seal Ring ( Metal )	6N5476	1	Use With 6N9313
Seal Ring ( Rubberl )	6N5475	1	Use With 6N9313
Tube, Water	5L9371	12	Cast Iron
Seal Ring, Water Tube	6L7817	12	
Oil Cooler Core	6N9235	1	( New )

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MISCELLANEOUS COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
<b>Crankshaft Components</b>			
Seal, Front Directional	4W2606	1	Standard Rotation
Seal, Rear Directional	4W2607	1	Standard Rotation
Seal Group, Crankshaft Conversion	4W2568	1	Front Standard Rotation
Seal Group, Crankshaft Conversion	4W2569	1	Rear Standard Rotation
Seal Group, Crankshaft Conversion	4W2570	1	Front Opposite Rotation
Seal Group, Crankshaft Conversion	4W2571	1	Rear Opposite Rotation
Adapter, Crankshaft Seal	4W2566	1	Front Standard Rotation
Adapter, Crankshaft Seal	4W2567	1	Rear Standard Rotation
Adapter Gasket	5L2093	2	
Baffle	8L3972	2	
<b>Cylinder Block Repair</b>			
Sleeve, " Z " Stepped	1W6265	A/R	" Z " Type
Sleeve, " Z " Stepped	1W6266	A/R	" Z " Type
Sleeve, " Z " Stepped	1W6267	A/R	" Z " Type
Sleeve, Cast Iron	5P0936	A/R	" L " Type