

IPD parts for Caterpillar® G3406 Engines

VALVE TRAIN AND CYLINDER HEAD COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Engine Serial # 4FD 1 - 342			
Valve , Exhaust	2W2443	12	30 Degree 7.14" Length
Valve , Intake	1152368	12	30 Degree
Guide, Intake & Exhaust	1516235	24	
Insert, Valve Seat Exhaust	4W4325	12	30 Degree
Insert, Valve Seat Intake	4N5893	12	30 Degree
Valve Lock	2A4429	48	
Rotocoil	6N7175	24	Includes 6N7174
Shield	6N7174	24	Use with 6N7175
Spring, Valve	4N5906	24	
Valve Lifter	1055139	12	With Correct Serial & Arrangement #
Valve Lifter Repair Kit	1055139RK	12	Roller & Pin set
Spring, Lifter Guide	3056843	12	Lifter Clip
Plug, Cup	3B0623	10	
Plug, Cup	3B0645	12	
Spark Plug Adapter	7W3860	6	
Spark Plug Adapter Gasket	2N7174	6	Metal Gasket
Spark Plug Adapter Seal	2S2251	6	
Stud, Taperlock	6L8562	1	
Stud, Taperlock	4S6137	11	
Bolt, Cylinder Head	5F4899	12	
Washer, Cylinder Head	5H1504	20	
Water Seal	3E6772	24	
Engine Serial # 4FD 343 - Up and 1RK 1 - Up			
Valve , Exhaust	1018314	12	20 Degree
Valve , Intake	1227353	12	Use With 1227352
Guide, Intake & Exhaust	1516235	24	
Insert, Valve Seat Intake	1227352	12	
Insert, Valve Seat Exhaust	1986529	12	20 Degree
Valve Lock	2A4429	48	
Rotocoil	6N7154	24	No Shield
Spring, Valve	4N5906	24	
Valve Lifter	1055139	12	With Correct Serial & Arrangement #
Valve Lifter Repair Kit	1055139RK	12	Roller & Pin Set
Spring, Lifter Guide	3056843	12	Lifter Clip
Plug, Cup	3B0623	10	
Plug, Cup	3B0645	12	
Spark Plug Adapter	7W3860	6	
Spark Plug Adapter Gasket	2N7174	6	Metal Gasket
Spark Plug Adapter Seal	2S2251	6	
Bolt, Cylinder Head	5F4899	12	
Washer, Cylinder Head	5H1504	20	
Water Seal	3E6772	24	

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VALVE TRAIN AND CYLINDER HEAD COMPONENTS Continued			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Thick Head			
Valve , Exhaust	2120933	12	20 Degree 7.6201" Length
Valve , Intake	2120932	12	20 Degree 7.6201" Length
Insert, Valve Seat Exhaust	2120936	12	20 Degree
Insert, Valve Seat Intake	2143286	12	20 Degree
Valve Lock	2A4429	48	
Rotocoil	6N7154	24	No shield
Spring, Valve	4N5906	24	
Valve Lifter	1055139	12	With Correct Serial & Arrangement #
Valve Lifter Repair Kit	1055139RK	12	With Correct Serial & Arrangement #
Spring, Lifter Guide	3056843	12	Lifter Clip
Plug, Cup	3B0623	10	
Plug, Cup	3B0645	12	
Spark Plug Adapter Gasket	2N7174	6	Metal Gasket
Spark Plug Adapter Seal	1090073	6	
Water Seal	3E6772	24	
Washer for Cylinder Head Bolt	5H1504	10	
GASKET SETS AND MISCELLANEOUS GASKETS			
Overhaul Gasket Set	406221	1	Non Turbocharged
Overhaul Gasket Set	406261	1	Turbocharged
In Frame Overhaul Set	406222	1	Non Turbocharged
Cylinder Head Gasket Set	406223	1	Non Turbocharged
Cylinder Head Gasket Set	406263	1	Turbocharged
Oil Pan Gasket	4N1151-6	1	
Valve Cover Gasket	5P5678	6	Order by the Meter
Water Pump Gasket Set	1282922	1	
ENGINE BEARINGS AND BUSHINGS			
Main Bearing Standard	3215746	7	
Main Bearing .010"	4W5492-010	A/R	
Main Bearing .025"	4W5698	A/R	
Main Bearing .050"	4W5699	A/R	
Rod Bearing Standard	9Y9497G	6	Narrow Journal Crankshaft (1.535" Wide)
Rod Bearing .010"	9Y9497G-010	A/R	Narrow Journal Crankshaft (1.535" Wide)
Rod Bearing .025"	4W5702G	A/R	Narrow Journal Crankshaft (1.535" Wide)
Rod Bearing .050"	4W5703G	A/R	Narrow Journal Crankshaft (1.535" Wide)

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ENGINE BEARINGS AND BUSHINGS Continued			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Rod Bearing Standard	9Y7735G	6	4FD 306 -Up & 1RK 1 - Up (1.930 " Wide)
Rod Bearing .025"	7E0558	A/R	4FD 306 -Up & 1RK 1 - Up (1.930 " Wide)
Rod Bearing .050"	7E0559	A/R	4FD 306 -Up & 1RK 1 - Up (1.930 " Wide)
Thrust Plate	2531752	2	
Cam Bearing	4N0685	6	
Cam Bearing	4N6658	1	
Bushing, Connecting Rod	8N0705	6	Straight Rods
Bushing, Connecting Rod	8N0706	6	Narrow Tapered Rods (1.540" Wide)
Bushing, Connecting Rod	8N2018	6	Wide Tapered Rods (1.850" Wide)
Bushing, Connecting Rod	4P8495	6	Wide Tapered Rods With Relief on ID
Idler Bushing	1317123	1	
CYLINDER KITS AND COMPONENTS			
Piston and Liner Assembly	PLG7E3888	6	10.0 : 1 C.R.
Piston and Liner Assembly	PLG4P8996	6	Gallery Cooled Piston 10.3 :1 C.R.
Piston and Liner Assembly	PLG7E3888/CS	6	10.0 : 1 C.R. w/ Crevice Seal Liner
Piston and Liner Assembly	PLG4P8996/CS	6	Gallery Cooled Piston w/ Crevice Seal Liner
Piston Body	7E3888	6	10.0 : 1 C.R.
Piston Body	4P8996	6	Gallery Cooled Piston 10.3:1 C.R.
Ring Group	7E3888SI	6	For 7E3888 Pistons
Ring Group	G3400RS	6	For 4P8996 Gallery Cooled Piston Only
Liner, Cylinder	2W6000	6	
Liner, Cylinder Crevice Seal Design	2W6000CSWS	6	Crevice Seal Design With Seals
Pin, Piston	8N1608	6	
Retainer, Piston Pin	7E5665	12	
Gasket Kit (Liner O Rings and Seal)	1183732	6	Contains 3 - 1102220 & 1 - 9L5854
Gasket Kit (Liner O Rings and Seal)	1183732CS	6	Crevice Seal Design Liner Only

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COOLING SYSTEM COMPONENTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Regulator, Water Temperature 180'	4W4794	1	180 Degree
Regulator, Water Temperature 190'	7C3095	1	190 Degree
Regulator, Water Temperature 180'	2485513	1	New Sealed Design
Regulator, Water Temperature 190'	2477133	1	New Sealed Design
Water Pump Overhaul Kit	IPD6289A	1	See Note Below
Water Pump Rebuild Kit	1293068	1	4FD 1 - 368
Water Pump Rebuild Kit	1293069	1	4FD 369 - Up & 1RK 1 - Up
Seal Group, Water Pump	4W3864	1	
Seal, Water Pump Oil	8C3100	1	
Shaft, Water Pump	1354928	1	
Seal, Regulator	3S9643		
Adapter, Inlet	7C9222		
Bearing, Water Pump Drive Gear	1B3867	1	4FD 1 - 368
Bearing, Water Pump Drive Gear	2L5271	1	4FD 1 - 368
Bearing Assy., Water Pump Drive Gear	1087930	1	4FD 369 - Up & 1RK 1 - Up
IPD Overhaul Kit contains shaft, bearings, seals, and gaskets for complete overhaul and mounting.			
OIL SYSTEM COMPONENTS			
Oil pump, New	4N0733	1	With Correct Serial & Arrangement #
Oil Pump Repair Kit	IPD3400RK	1	Incl. shafts, seals & bearings
Oil Pump Repair Kit (Minor)	IPD3400RKM	1	Does not include shafts
Oil Cooler	7C3039	1	
Valve, Pressure Relief	4P3546	1	
MISCELLANEOUS COMPONENTS			
Crankshaft Components			
Crankshaft	7C4859WOG	1	New, Without Gear (narrow bearings only)
Crankshaft Seal, Rear	1425868	1	
Crankshaft Seal, Front	1425867	1	
Camshaft Components			
Camshaft	8N9245WOG	1	New w / Correct Serial & Arrangement #'s
Cylinder Block Repair			
Insert, Stainless Steel	9Y3368	A/R	.032" Thick
Insert, Stainless Steel	2W3815	A/R	.062" Thick