

IPD Products for CATERPILLAR® C12 ENGINES





IPD's program for Caterpillar® engines includes the basic overhaul parts necessary to rebuild these engines.

The Quality of these parts is typical of what mechanics around the world have come to expect from IPD, and the parts are priced to save you money on your C12 rebuild.

IPD Overhaul kits include:

- ◆ Cylinder kits including the IPDSteel® articulated, 2 piece pistons with IPD patented cast steel crown and aluminum skirt, as well as piston pin, rings and liner.
- ♦ IPD Induction Hardened Liner for maximum wear resistance.
- ◆ IPD Rod & Main Bearings made from heavy-duty/industrial grade materials (not automotive grade).
- ♦ IPDStyle 1-2-3™ Gasket Sets which give you all the items you need for a proper In-Frame engine overhaul.

All packaged in high quality IPD In-Frame overhaul boxes.

Individual components that are available also include:

- Camshaft bushings
- ◆ Idler Gear bushing
- ◆ Valves, guides, seats and springs
- Connecting rod bushings



IPD PARTS FOR CATERPILLAR® C12 ENGINES

IPD Part Number Description		IPD Cylinder Kit Number Engine Serial Included Ranges		Head Gasket (Scalloped or Straight)			
IPD <u>IN FRAME</u> C12 OVERHAUL KITS							
IF9374/032STR	IN FRAME KIT, TRUCK	PLG1979374	MBL1-UP	Straight			
IF2948/002SCL	IN FRAME KIT, TRUCK	PLG1442948	9NS1-UP	Scalloped			
IF2948/002STR	IN FRAME KIT, TRUCK	PLG1442948	9NS1-UP	Straight			
IF2948/022SCL	IN FRAME KIT, TRUCK	PLG1442948	2KS1-UP	Scalloped			
IF2948/022STR	IN FRAME KIT, TRUCK	PLG1442948	2KS1-UP	Straight			
IF9328/012SCL	IN FRAME KIT, TRUCK	PLG1979328	1YN1-UP	Scalloped			
IF9328/012STR	IN FRAME KIT, TRUCK	PLG1979328	1YN1-UP	Straight			
IF2948/052STR	IN FRAME KIT, TRUCK	PLG1979328	CPD1-UP	Straight			
IF2948/042STR	IN FRAME KIT, INDUSTRIAL	PLG1442948	BDL1-UP	Straight			
IDD Out of France angles like a	SCL = Scalloped head gasket						
IPD Out-of-Frame engine kits also available				STR = Straight head gasket			

IPD CYLINDER KITS FOR C12						
IPD Part Number	Description	Compression Ratio of Piston	Comments			
PLG1442948	CYLINDER KITS	16:25:1	PLG kit contains: crown, skirt, rings, pin, retainers, liner and so See above for application by engine serial number			
PLG1979328	CYLINDER KITS	16:0:1				
PLG1979374	CYLINDER KITS	16:2:1	See above for application by engine serial number			
IPD Engine and PLG kits applicable to applications with less than 500BHP						

IPD STYLE 123™ <u>IN FRAME</u> GASKET SETS FOR C12 APPLICATIONS						
IPD Part Number	REMARKS		Engine Serial Ranges	Head Gasket (Scalloped or Straight)		
C12002SCLNLS	TRUCK ENGINE		9NS	Scalloped		
C12002STRNLS	TRUCK ENGINE		9NS	Straight		
C12022SCLNLS	TRUCK ENGINE	00000	2KS	Scalloped		
C12022STRNLS	TRUCK ENGINE		2KS	Straight		
C12012STRNLS	TRUCK ENGINE		1YN	Straight		
C12012SCLNLS	TRUCK ENGINE		1YN	Scalloped		
C12032STRNLS	TRUCK ENGINE		MBL	Straight		
C12052STRNLS	TRUCK ENGINE	Shown	CPD	Straight		
C12042STRNLS	INDUSTRIAL ENGINE		BDL	Straight		
Injector o-rings are not included in IPDStyle 1-2-3 Gasket Sets SCL = Scalloped head gasket						
IPDStyle 1-2-3 Out-of-Frame gasket set				STR = Straight head gasket		
Additional OE Style gasket sets are also available						

IPD ENGINE BEARINGS AND BUSHINGS FOR C12 APPLICATIONS						
IPD Part Number	Description	Quantity per Engine	Engine Serial Ranges	Comments		
2110588	MAIN BEARING , STANDARD	3	ALL			
1280382	MAIN BEARING, .50 MM	AS REQUIRED ALL				
2110587	MAIN BEARING , STANDARD	4	4 ALL			
1280400	MAIN BEARING, .50 MM	AS REQUIRED	ALL			
2463144	THRUST PLATE	2	ALL			
1161089 ROD BEARING, STANDARD		6	ALL	a bellin diament blot over		
1280395 ROD BEARING, .50 MM		AS REQUIRED	ALL			
1152972 BUSHING, CONNECTING ROD		6	ALL			
9M2418	BUSHING, IDLER GEAR	1	ALL			
2165584	CAM BEARING	1	ALL	Rear		
2165585	CAM BEARING	1	ALL	Front		
2165583	CAM BEARING	5	ALL	Intermediate		

IPD VALVE TRAIN PARTS FOR C12 APPLICATIONS							
		ENGINE SERIAL NUMBER RANGE					
IPD Part Number	Quantity per Engine	MBL1-UP	BDL1-UP	9NS1-UP	1YN1-UP	2KS1-348	2KS349-UP
GUIDE, VALVE	24	1008150	1008150	1008150	1008150	1323214	1008150
LOCK, VALVE	48	2A4429	2A4429	2A4429	2A4429	2A4429	2A4429
SPRING, INNER	24	2414441	2414441	2414441	2414441	2414441	2414441
SPRING, OUTER	24	2140586	2140586	2140586	2140586	2140586	2140586
VALVE, INTAKE	12	1929213	1929213	1929213	7E9578	7E9578	1929213
VALVE, EXHAUST	12	1337029	1337029	1337029	1337029	1337029	1337029
Note: All IPD valves are made of materials designated for this application							

IPD MISCELLANEOUS PARTS FOR C12 APPLICATIONS						
IPD Part Number	Description	IPD Part Number	Description	IPD Part Number	Description	
5S8543	BEARING, OIL PUMP DRIVE	0L1026	PLUG, CORE	1979251	PISTON PIN	
703095	REGULATOR 190 (THERMOSTAT)	3B0623	PLUG, CORE	1979341	PISTON RING, COMPRESSION	
3S9643	SEAL, THERMOSTAT	1B3867	BALL BEARING	2168570	PISTON RING, INTERMEDIATE	
708292	ISOLATOR	1B8705	KEY, WOODRUFF	2382704	PISTON RING, OIL CONTROL	
611638	BASE, INJECTOR POSITIONING					



Please continue to check with your IPD Customer Service Center or our free IPD e-newsletter available at www.ipdparts.com for updates to our coverage on all of our product lines

IPD IS AN ISO9001:2008 CERTIFIED COMPANY

IPD TORRANCE CALIFORNIA STEEL PISTON MANUFACTURING FACILITY IS IS09001:2008 CERTIFIED BY LLOYD'S REGISTER



IPDSteel® patented cast steel articulated pistons are manufactured using state of the art CNC equipment at IPD's Torrance California facilities under our ISO9001:2008 certified program.

IPD'S ENGINE PARTS PROGRAM INCLUDES PRODUCTS FOR OLDER AND NEWER APPLICATIONS.

IPD offers the most extensive application coverage in the aftermarket, stretching into engines made over a 5 decade period.

Here is a quick list of the applications currently included in the IPD product line:

D333	D3114	D3412	G3304	C7
D342	D3116	D3508	G3306	C9
D343	D3126	D3512	G3406	C10/3176C
D346	D3204	D3516	G3408	C12
D348	D3208	G342	G3412	C15
D353	D3304	G353	G3508	C18
D379	D3306	G379	G3512	Cummins ISX/QSX
D398	D3406	G398	G3516	DD60 Series
D399	D3408	G399	G3520	and more!

IPD

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