



# IPD Products for CATERPILLAR® 3126 ENGINES



IPD offers the most complete coverage in the aftermarket on this popular engine. A significant cost savings is now possible due to the development of the **IPDSteel®** Articulated (Two-Piece) Cast Steel Piston Crown series.

IPD's coverage now includes:

- ◆ In & Out of Frame **Overhaul Kits** with either:
  - Aluminum **One Piece** Pistons
  - Or
  - IPDSteel® **Two-Piece** Articulated Cast Steel Pistons with aluminum skirts. (application specific)
- ◆ Coverage of both **2 & 3 Valve Cylinder Head Components**.
- ◆ IPD 123™ or OEM Style Modular Type **Gasket Sets**.
- ◆ Rod, Main and Thrust **Bearings**.
- ◆ Connecting Rod and Camshaft **Bushings**.
- ◆ Cylinder Bore **Repair Sleeves**.
- ◆ Many more products coming soon!

# IPD

[www.ipdparts.com](http://www.ipdparts.com)

IPD IS ISO9001:2000  
CERTIFIED BY  
LLOYD'S REGISTER



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1/08 IPDPB-07

*The Standard for Quality, Innovation, Service and Support Since 1955*

## IPD PARTS DATABASE™ OFFERS CONVENIENT AND ACCURATE PARTS CATALOGING FOR 3126 APPLICATIONS AS WELL AS OTHER CATERPILLAR® ENGINES.

Authorized IPD Distributors can log into our **IPD Parts Database™** live on-line and look up all the parts that are available from IPD for 3126 as well as many other Caterpillar® engine applications. Some unique features of this system include:

- ◆ **Parts Look Up:** Look up using engine, machine, serial or arrangement numbers for accurate parts listings.
- ◆ **Save Parts List:** Save parts lists that you routinely use for future reference.
- ◆ **Print Quote:** Print a quotation for your customer and add customized pricing.
- ◆ **Request Quote:** Once you identify your parts list – submit it to your IPD Customer Service Center for a quotation.
- ◆ **Place Order:** You can place your order directly to IPD Customer Service while on line and receive confirmation via fax or phone from the people you always deal with!

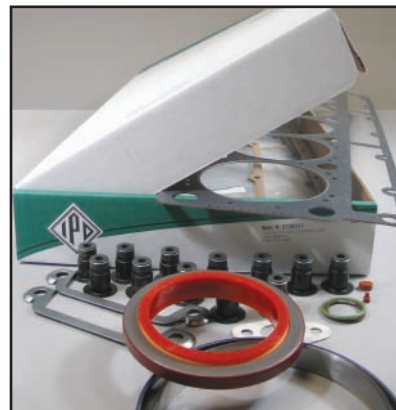
IPD Distributors can log in using supplied passwords to [www.ipdparts.com](http://www.ipdparts.com), go to Authorized Distributor and click on IPD Database & Services. If you are a current IPD Distributor you can request a password by filling out the info on the Contact IPD page.

## YOUR CHOICE OF EITHER "MODULAR STYLE OEM GASKET GROUPS" OR OUR INNOVATIVE IPD STYLE 123™ CONSOLIDATED GASKET SETS

While some customers still request the Modular style ENGINE SPECIFIC gasket groups, the *Original* IPD Style 123™ Consolidated Gasket Sets continue to grow in popularity. Other companies have tried to duplicate our sets but fall short in consistency of content, not to mention gasket material quality!

Why consider the IPD Style 123™ Sets?

- ◆ **Ease of stocking:** We have consolidated many serial number ranges into each set to give more flexibility and reduced inventory without adding excessive waste.
  - For example, in most popular 3126 applications it would require 9 Modular style Gasket Groups, where IPD covers with ONE part number!
- ◆ **Lower shipping costs:** Less overall dimensions of packaging can reduce shipping costs.
- ◆ **Simplified part number system:**
  - Out-of Frame Overhaul Set: = 1 suffix. Example: 312602**1**
  - In-Frame Overhaul Set = 2 suffix. Example: 312602**2**
  - Multiple Cylinder Head Sets = 3 suffix. Example: 312602**3**
- ◆ **Heavy duty & presentable packaging** with re-closable side open lid and bill of materials listing contents.
- ◆ **Contents segregated into Groups:** For ease of identification, we have separated the contents into packaged groups



such as “upper structure” or “rear structure” We also make every attempt to place part numbers on individual gaskets, seals and o-rings.

- ◆ **High quality materials:** IPD sets include the highest quality, latest designed materials in the after-market. Compare the material difference and reduce your risk!

# IPD PARTS FOR 3126 ENGINES

NOTE: FOR REFERENCE ONLY. ALL APPLICATIONS ARE SERIAL & ARRANGEMENT NUMBER SPECIFIC

VALVE TRAIN PARTS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
<b>2-VALVE HEAD</b>			
Valve, Exhaust	1360819	6	
Valve, Intake	1614280	6	
Guide, Intake and Exhaust	9Y8848	12	
Spring, Valve	7C4273	12	
Lock, Valve	1W2715	24	
Seal, Valve	1193036	12	
Retainer, Intake	7E7779	6	
Retainer, Exhaust	6I2307	6	
Insert, Exhaust	1W2713	6	
Insert, Intake	1639063	6	not available at time of printing
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
<b>3-VALVE HEAD</b>			
Valve, Exhaust	1478211	6	
Valve, Intake	1457390	12	
Guide, Intake	1409670	12	
Guide, Exhaust	1478220	6	
Spring, Valve Intake	1406188	12	
Spring, Valve Exhaust	1376718	6	
Lock, Valve Intake	1W2715	24	
Lock, Valve Exhaust	2A4429	12	
Seal, Valve (Intake Only)	1478214	6	
Retainer, Intake	7E7779	12	
Retainer, Exhaust	1344483	6	
Insert, Exhaust	1478218	6	not available at time of printing
Insert, Intake	1559504	12	not available at time of printing

ENGINE BEARINGS AND BUSHINGS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Main Bearing Standard	1077708	6	
Main Bearing .25mm	1450162	A/R	
Main Bearing .50mm	1450164	A/R	
Main Bearing Standard	1077602	1	
Main Bearing .25mm	7C6966	A/R	
Main Bearing .50mm	7C6967	A/R	
Rod Bearing Standard	2246638	6	
Rod Bearing .25mm	7C6976	A/R	
Rod Bearing .50mm	7C6977	A/R	
Cam Bearing	2W7211	1	
Cam Bearing	2W7213	6	
Bushing, Connecting Rod	2W0027	6	

OUT-OF-FRAME KITS		
DESCRIPTION	PART NUMBER	COMMENTS
Out-Of-Frame Kit	OF5044/11	Truck Applications S/N 1WM & 4ES ( 2 valve )
Out-Of-Frame Kit (.50mm)	OF5044B/11	Truck Applications S/N 1WM & 4ES ( 2 valve )
Out-Of-Frame Kit	OF5044/31	Industrial Applications S/N 3TR1-241 ( 2 valve )
Out-Of-Frame Kit (.50mm)	OF5044B/31	Industrial Applications S/N 3TR1-241 ( 2 valve )
Out-Of-Frame Kit	OF4621/41	Industrial Applications BEJ1-UP ( 3 valve )
Out-Of-Frame Kit (.50mm)	OF4621B/41	Industrial Applications BEJ1-UP ( 3 valve )
Out-Of-Frame Kit	OF4621/21	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
Out-Of-Frame Kit (.50mm)	OF4621B/21	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
Out-Of-Frame Kit	OF6556/51	Marine Applications S/N 8NM1-UP ( 2 valve )
Out-Of-Frame Kit	OF4983/71	938 G Machines ( 2 valve )
Out-Of-Frame Kit (.50mm)	OF4983B/71	938 G Machines ( 2 valve )
Out-Of-Frame Kit	OF2729/21	Aluminum Piston

**PISTON KITS AND COMPONENTS**

DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Piston Kits STD.	PK1335044	6	Truck and Industrial 2 pc.
Piston Kits .50mm	PK1335044B	6	Truck and Industrial 2 pc.
Piston Kits STD.	PK1504621	6	Truck and Industrial 2 pc.
Piston Kits .50mm	PK1504621B	6	Truck and Industrial 2 pc.
Piston Kits STD.	PK1646556	6	Marine Applications
Piston Kits STD.	PK1334983	6	938 G Machines
Piston Kits .50mm	PK1334983B	6	938 G Machines
Piston Kits STD.	PK2382729	6	Aluminum Piston
Piston Body STD.	2382729	6	Aluminum Piston
Crown STD.	1334983	6	938 G Machines
Crown .50mm	1334983B	6	938 G Machines
Crown STD.	1504621	6	Truck and Industrial 2 pc.
Crown .50mm	1504621B	6	Truck and Industrial 2 pc.
Crown STD.	1646556	6	Marine Applications
Crown STD.	1335044	6	Truck and Industrial 2 pc.
Crown .50mm	1335044B	6	Truck and Industrial 2 pc.
Skirt, STD	2382726	6	Use with all Articulated Pistons
Skirt .50mm	2382726B	6	Use with all Articulated Pistons
Pin	1687224	6	Used in PK238279 Aluminum Piston Kit
Pin	1687226	6	Use with all Articulated Pistons
Retainer	7C0111	12	Fits All
Top Ring, Std	1979386	6	
Top Ring, .50mm	1979386B	6	
Intermediate Ring, Std	1979277	6	
Intermediate Ring, .50mm	1979277B	6	
Intermediate Ring, Std	1154102	6	Marine Applications
Oil Control Ring, Std	1979354	6	
Oil Control Ring, .50mm	1979354B	6	
Sleeve, Cyl Salvage	1077604	6	To Sleeve Block Back To Standard

**IN-FRAME KITS**

DESCRIPTION	PART NUMBER	COMMENTS
In-Frame Kit	IF5044/12	Truck Applications S/N 1WM & 4ES ( 2 valve )
In-Frame Kit (.50mm)	IF5044B/12	Truck Applications S/N 1WM & 4ES ( 2 valve )
In-Frame Kit	IF5044/32	Industrial Applications S/N 3TR1-241 ( 2 valve )
In-Frame Kit (.50mm)	IF5044B/32	Industrial Applications S/N 3TR1-241 ( 2 valve )
In-Frame Kit	IF4621/42	Industrial Applications BEJ1-UP ( 3 valve )
In-Frame Kit (.50mm)	IF4621B/42	Industrial Applications BEJ1-UP ( 3 valve )
In-Frame Kit	IF4621/22	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
In-Frame Kit (.50mm)	IF4621B/22	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
In-Frame Kit	IF6556/52	Marine Applications S/N 8NM1-UP ( 2 valve )
In-Frame Kit	IF4983/72	938 G Machines ( 2 valve )
In-Frame Kit (.50mm)	IF4983B/72	938 G Machines ( 2 valve )
In-Frame Kit	IF2729/22	Aluminum Piston

# IPD PARTS FOR 3126 ENGINES

NOTE: FOR REFERENCE ONLY. ALL APPLICATIONS ARE SERIAL & ARRANGEMENT NUMBER SPECIFIC

IPD STYLE GASKETS			
DESCRIPTION	PART NUMBER	QTY. REQ.	COMMENTS
Out-Of-Frame Gasket Set	3126011	1	Truck Applications S/N 1WM & 4ES ( 2 valve )
In-Frame Gasket Set	3126012	1	Truck Applications S/N 1WM & 4ES ( 2 valve )
Cylinder Head Replacement Set	3126013	1	Truck Applications S/N 1WM & 4ES ( 2 valve )
Out-Of-Frame Gasket Set	3126021	1	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
In-Frame Gasket Set	3126022	1	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
Cylinder Head Replacement Set	3126023	1	Truck Application S/N 6PZ, 8SZ, 9SZ, CKM, 7AS ( 3 valve )
Out-Of-Frame Gasket Set	3126031	1	Industrial Applications S/N 3TR1-241 ( 2 valve )
In-Frame Gasket Set	3126032	1	Industrial Applications S/N 3TR1-241 ( 2 valve )
Cylinder Head Replacement Set	3126033	1	Industrial Applications S/N 3TR1-241 ( 2 valve )
Out-Of-Frame Gasket Set	3126041	1	Industrial Applications BEJ1-UP ( 3 valve )
In-Frame Gasket Set	3126042	1	Industrial Applications BEJ1-UP ( 3 valve )
Cylinder Head Replacement Set	3126043	1	Industrial Applications BEJ1-UP ( 3 valve )
Out-Of-Frame Gasket Set	3126051	1	Marine Applications S/N 8NM1-UP ( 2 valve )
In-Frame Gasket Set	3126052	1	Marine Applications S/N 8NM1-UP ( 2 valve )
Cylinder Head Replacement Set	3126053	1	Marine Applications S/N 8NM1-UP ( 2 valve )
Out-Of-Frame Gasket Set	3126071	1	938 G Machines ( 2 valve )
In-Frame Gasket Set	3126072	1	938 G Machines ( 2 valve )
Cylinder Head Replacement Set	3126073	1	938 G Machines ( 2 valve )

**Please check with your IPD Customer Service Representative for frequent updates of new products!**

## VALVE TRAIN COVERAGE FOR BOTH 2 & 3 VALVE 3126 ENGINES

IPD's coverage of Valve Train products for 3126 engines includes both the 2 and 3 Valve applications. Our valve train program is uncompromising in quality and value across the board. Some unique quality features include:

- ◆ Intake and exhaust valves made of the proper materials and quality controlled for maximum life, not automotive style materials!
  - ◆ Valve springs made of quality materials and shot-peened for durability and longevity.
  - ◆ Valve seats made of materials designed specifically for diesel applications. Checked for finish, correct angle tolerances and concentricity.
  - ◆ Valve guides manufactured to tight tolerances for maximum heat transfer and fitment.
- At IPD we take pride in our quality control procedures to assure that the valve train components you receive have met our high standards for material, tolerance and finish.



## ENGINE OVERHAUL KITS FOR POPULAR 3126 ENGINE APPLICATIONS

Available with both aluminum one piece pistons and the innovative Two Piece **IPDSteel®** Articulated Cast Steel crowns with aluminum skirts. These kits offer the major components you need for either IN or OUT of frame engine overhauls in one convenient and presentable box.

IPD Overhaul kits include:

- ◆ Choice of above styles of pistons (application specific)
- ◆ IPD Quality Assurance checked rings includes latest in moly or plasma type ring coatings where required with proper sizes and angles for maximum life and oil control.
- ◆ Piston Pins & Retainers.
- ◆ Rod, Main and Thrust bearings. (specify size)
- ◆ Either IPD Style 123™ In or Out of Frame Overhaul Gasket Set.
- ◆ Conveniently packaged in high quality IPD packaging.

**IPD Overhaul Kits provide all the parts needed in one easy to ship box!**



## IPDSTEEL® PISTONS OFFER SAVINGS, IPD QUALITY AND WARRANTY PROTECTION

3126 Articulated Two-Piece Steel Pistons for 3126 Caterpillar® applications are the most recent addition to IPD's innovative line of **IPDSteel®** Pistons. These innovative designs are cast from high strength steel, heat treated then machined to size using the latest in piston manufacturing CNC equipment at our IPD Torrance, California facility. Our technology is patent pending and allows IPD Distributors to compete, and



engine owners to save money! Also available for popular applications is the **IPD exclusive .50mm oversize piston**.

These oversize pistons can reduce your cost in situations where you may need cylinder bore repair sleeves.

IPDSteel® pistons are covered by IPD's full **ONE YEAR / 100,000 mile Warranty**. Please see our web page at [www.ipdparts.com](http://www.ipdparts.com) for more details.



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