



IPD Products for CATERPILLAR® 3114/3116 ENGINES



IPD Truck Overhaul Engine Kit with Two-Piece Articulated **IPDSteel®** Cast Pistons

IPD innovation leads the way again with the announcement of our patent pending **IPDSteel®** Two-Piece Articulated Cast Pistons for 3114 & 3116 Caterpillar Diesel engines. These pistons are available as:

- ◆ Piston Kits (includes Crown, Skirt, Ring Set, Pin & Retainers) for use in most Truck, Industrial and many marine applications.
- ◆ In-Frame Overhaul Kits (includes Piston Kits, Rod & Main Bearings and an IPD 1-2-3™ In-Frame Gasket Set) for rebuilding Truck engines in-frame.
- ◆ Out-of-Frame Overhaul Kits (includes Piston Kits, Rod & Main Bearings and an IPD 1-2-3™ Out-of-Frame Gasket Set) for complete Truck engine overhaul.

Exclusive to IPD, .50mm (.020") oversize pistons and rings are available for many applications! You can in many cases reduce costs by boring to our exclusive oversize as an option to costly sleeving operations!

Applications covered by the **IPDSteel®** and IPD Aluminum Pistons product lines include:

- ◆ On-highway Truck
- ◆ Industrial & Off-highway Equipment
- ◆ Marine Engines

IPD IS ISO9001:2000
CERTIFIED BY
LLOYD'S REGISTER



APPLICATIONS WITH TWO-PIECE ARTICULATED PISTONS

IPD Part Number	Description	IPD Piston Kit Number Included	Bore (Standard or .50mm option)	Main Bearing Type (Grooved or NON Grooved Block?)
IPD IN-FRAME 3116 TRUCK OVERHAUL KITS				
IF1210/12GBLK	IN-FRAME KIT, TRUCK	PK6I1210	Standard bore (note sleeves are available from IPD)	Grooved Style Block
IF1210B/12GBLK	IN-FRAME KIT, TRUCK	PK6I1210B	.50mm bore option	Grooved Style Block
IF1210/12	IN-FRAME KIT, TRUCK	PK6I1210	Standard bore (note sleeves are available from IPD)	NON Grooved Block
IF1210B/12	IN-FRAME KIT, TRUCK	PK6I1210B	.50mm bore option	NON Grooved Block
IF7545/12GBLK	IN-FRAME KIT, TRUCK	PK1077545	Standard bore (note sleeves are available from IPD)	Grooved Style Block
IF7545B/12GBLK	IN-FRAME KIT, TRUCK	PK1077545B	.50mm bore option	Grooved Style Block
IF7545/12	IN-FRAME KIT, TRUCK	PK1077545	Standard bore (note sleeves are available from IPD)	NON Grooved Block
IF7545B/12	IN-FRAME KIT, TRUCK	PK1077545B	.50mm bore option	NON Grooved Block
IF7553/12GBLK	IN-FRAME KIT, TRUCK	PK1077553	Standard bore (note sleeves are available from IPD)	Grooved Style Block
IF7553B/12GBLK	IN-FRAME KIT, TRUCK	PK1077553B	.50mm bore option	Grooved Style Block
IF7553/12	IN-FRAME KIT, TRUCK	PK1077553	Standard bore (note sleeves are available from IPD)	NON Grooved Block
IF7553B/12	IN-FRAME KIT, TRUCK	PK1077553B	.50mm bore option	NON Grooved Block
IF1720/12GBLK	IN-FRAME KIT, TRUCK	PK1051720	Standard bore (note sleeves are available from IPD)	Grooved Style Block
IF1720B/12GBLK	IN-FRAME KIT, TRUCK	PK1051720B	.50mm bore option	Grooved Style Block
IF1720/12	IN-FRAME KIT, TRUCK	PK1051720	Standard bore (note sleeves are available from IPD)	NON Grooved Block
IF1720B/12	IN-FRAME KIT, TRUCK	PK1051720B	.50mm bore option	NON Grooved Block
IPD OUT-OF-FRAME 3116 TRUCK OVERHAUL KITS				
OF1210/31GBLK	OUT-FRAME KIT, TRUCK	PK6I1210	Standard bore (note sleeves are available from IPD)	Grooved Style Block
OF1210B/31GBLK	OUT-FRAME KIT, TRUCK	PK6I1210B	.50mm bore option	Grooved Style Block
OF1210/31	OUT-FRAME KIT, TRUCK	PK6I1210	Standard bore (note sleeves are available from IPD)	NON Grooved Block
OF1210B/31	OUT-FRAME KIT, TRUCK	PK6I1210B	.50mm bore option	NON Grooved Block
OF7545/31GBLK	OUT-FRAME KIT, TRUCK	PK1077545	Standard bore (note sleeves are available from IPD)	Grooved Style Block
OF7545B/31GBLK	OUT-FRAME KIT, TRUCK	PK1077545B	.50mm bore option	Grooved Style Block
OF7545/31	OUT-FRAME KIT, TRUCK	PK1077545	Standard bore (note sleeves are available from IPD)	NON Grooved Block
OF7545B/31	OUT-FRAME KIT, TRUCK	PK1077545B	.50mm bore option	NON Grooved Block
OF7553/31GBLK	OUT-FRAME KIT, TRUCK	PK1077553	Standard bore (note sleeves are available from IPD)	Grooved Style Block
OF7553B/31GBLK	OUT-FRAME KIT, TRUCK	PK1077553B	.50mm bore option	Grooved Style Block
OF7553/31	OUT-FRAME KIT, TRUCK	PK1077553	Standard bore (note sleeves are available from IPD)	NON Grooved Block
OF7553B/31	OUT-FRAME KIT, TRUCK	PK1077553B	.50mm bore option	NON Grooved Block
OF1720/31GBLK	OUT-FRAME KIT, TRUCK	PK1051720	Standard bore (note sleeves are available from IPD)	Grooved Style Block
OF1720B/31GBLK	OUT-FRAME KIT, TRUCK	PK1051720B	.50mm bore option	Grooved Style Block
OF1720/31	OUT-FRAME KIT, TRUCK	PK1051720	Standard bore (note sleeves are available from IPD)	NON Grooved Block
OF1720B/31	OUT-FRAME KIT, TRUCK	PK1051720B	.50mm bore option	NON Grooved Block
IPD PISTON KITS FOR 3114 / 3116				
PK6I1210	PISTON KIT, Std	PK kit contains: crown, skirt, rings, pin, ret.	Standard bore (note sleeves are available from IPD)	Articulated 2-Piece Piston
PK6I1210B	PISTON KIT, .50mm		.50mm bore option	Articulated 2-Piece Piston
PK1077545	PISTON KIT, Std	PK kit contains: crown, skirt, rings, pin, ret.	Standard bore (note sleeves are available from IPD)	Articulated 2-Piece Piston
PK1077545B	PISTON KIT, .50mm		.50mm bore option	Articulated 2-Piece Piston
PK1077553	PISTON KIT, Std	PK kit contains: crown, skirt, rings, pin, ret.	Standard bore (note sleeves are available from IPD)	Articulated 2-Piece Piston
PK1077553B	PISTON KIT, .50mm		.50mm bore option	Articulated 2-Piece Piston
PK1051720	PISTON KIT, Std	PK kit contains: crown, skirt, rings, pin, ret.	Standard bore (note sleeves are available from IPD)	Articulated 2-Piece Piston
PK1051720B	PISTON KIT, .50mm		.50mm bore option	Articulated 2-Piece Piston
<p>NOTE: IPD offers other components for 3114 / 3116 applications such as Valve Train, Bearings and Gaskets as well as coverage for aluminum 1-piece Pistons Please consult your IPD Distribution Center or the IPD Parts Database at www.ipdparts.com</p>				

APPLICATIONS WITH ONE PIECE ALUMINUM PISTONS

IPD Part Number	Description	Comments			
IPD IN & OUT OF FRAME ENGINE OVERHAUL KITS					
IF3116	IN-FRAME KIT, ALUMINUM PISTON, Std.	Aluminum One Piece Piston Standard Size Bore			
OF3116	OUT-FRAME KIT, ALUMINUM PISTON, Std.	Aluminum One Piece Piston Standard Size Bore			
IF3116B	IN-FRAME KIT, ALUMINUM PISTON, .50mm	Aluminum One Piece Piston, .50mm			
OF3116B	OUT-FRAME KIT, ALUMINUM PISTON, .50mm	Aluminum One Piece Piston, .50mm			
IPD PISTON KITS					
PK4P2990	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
.50 mm Not avail.	PISTON KIT, .50mm	Not currently available in .50mm			
PK6I1144	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK6I1144B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
PK7C5668	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK7C5668B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
PK7E3428	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK7E3428B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
PK9Y7452	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK9Y7452B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
PK10I4495	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK10I4495B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
PK1154124	PISTON KIT, Std	Aluminum One Piece Piston Standard Size Bore			
PK1154124B	PISTON KIT, .50mm	Aluminum One Piece Piston .50mm			
IPD STYLE 123™ GASKET SETS FOR 3116 APPLICATIONS					
ENGINE	REMARKS	ENGINE SERIAL NUMBER RANGES	OUT OF FRAME OVERHAUL	IN FRAME OVERHAUL	CYL HEAD REPLACE
3116	Industrial and Generator Set ATAAC (Air to Air Aftercooled) MUI AND EUI ENGINES ONLY	1NJ1 - Up, 2SG1 - Up, 2MR1 - Up, 2WG1 - Up, 4PG1-Up	116031	N/A	116023
3116	Marine	1SK 4KG	116041	In Development	116043
3116	On-Highway Truck	2BK1 - Up, 7JL1 - Up, 7SF1 - Up, 9LN1 - Up, 2FR1-Up, 9CJ1- Up, 9GK1-Up, 9YN1- Up	116011	116012	116013
3116	On-Highway Truck ATAAC (Air to Air Aftercooled) MUI AND EUI ENGINES ONLY	5EN1 - Up	116031	116012	116023
3116	On-Highway Truck JWAC (Jacket Water Aftercooler)	5EN1 - Up	In Development		
This is intended as a QUICK REFERENCE ONLY - Not to be used as a catalog for installation					

IPD OFFERS MANY MISCELLANEOUS PARTS FOR 3114 / 3116 APPLICATIONS

Included in the IPD product line are many items designed to help you lower overhaul costs, including:

- ◆ Complete line of *Valve Train Products* including Valves, Springs, Seats, Locks.
- ◆ Many On and Off Highway *Gasket Sets*, both IPD 1-2-3™ style and OEM Multiple style sets.
- ◆ *Engine Bearings and Bushings* including Cam and Connecting Rod Bushings.
- ◆ *Cylinder Repair Sleeves* for sleeving engine blocks back to standard size.

Many other *NEW PRODUCTS* coming soon so please contact your IPD Distribution Center or www.ipdparts.com for news!



IPDSteel® Cast Piston



Typical IPD Piston Kit (PK Kit)

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