



IPD Products for Caterpillar® 3064/3066 ENGINES

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



IPD, A SAFE AND SECURE INVESTMENT

Since 1955, IPD has lowered owner's of engines costs without sacrificing quality, engine life or performance by providing a cost effective quality product line alternative. Our robust product line covers a wide range of products for Caterpillar® 3064 up to 3524 diesel and natural gas engines as well as Detroit Diesel® Series 60 and Cummins® ISX/QSX.

IPD recognizes the importance of repairing engines with quality products as these pieces of equipment or machines are an investment and source of revenue for their owners, and we do not take that lightly. We use only quality materials and our 55 plus years of manufacturing experience has taught us how to build quality into our IPD products from the beginning. Moreover, IPD's ISO based QC process assures that our customers receive products that have passed our high quality assurance standards. Additionally, our comprehensive and clearly stated warranties give our customers the needed peace of mind when purchasing IPD products because they know they are covered and protected.

IPD is ISO9001:2008 certified by Lloyd's Register®, who is recognized and respected worldwide for high standards of technical competence, impartiality and independence. Being ISO9001:2008 certified provides our customers the assurance of a consistent experience with our compliance to the ISO controls and processes. The extent to which IPD has developed its ISO process and made it a part of virtually every aspect of IPD is uncommon practice in most companies in the aftermarket parts industry.

You can read more about IPD quality and our differentiations at www.ipdparts.com. Thank you for taking the time to view this document and we appreciate the opportunity to prove to you what truly sets IPD apart from our competition.



IPD 3064/3066 PRODUCT LINE

IPD brand products for 3064 and 3066 engines is one more step to continued expansion of our aftermarket leading coverage for Caterpillar engines. These engines also commonly known as “Mitsubishi” or “Mitsubishi Caterpillars” were manufactured for Caterpillar in two models by Mitsubishi and are found in these very common Caterpillar model excavators.

311B
311C
312B
312C
314C

318C
319C
320B
320C
320D

320N
321B
321C
323D



IPD product coverage for 3064/3066 engines includes the following:

- Engine in-frame overhaul kits (with or without repair sleeves)
- Cylinder kits with repair sleeves
- Pistons, rings, retainers, piston pins
- Rod, main and thrust bearings
- Gasket kits and miscellaneous gaskets

IPD products for the 3064/3066 are competitively priced and back by IPD's warranty to assure you the best choices for savings without risks.

For a copy of our user friendly warranty program please go to www.ipdparts.com and click on the PRODUCT SUPPORT button at the top of the page.

For more information or pricing please contact your IPD Distributor or IPD at the details on back of this product bulletin.

QUICK REFERENCE GUIDE FOR IPD 3064/3066 PRODUCTS

DESCRIPTION	ENGINE MODEL	IPD PART NUMBER	NOTES
In-Frame Kits			
In-Frame Rebuild Kit	3066	IF6546/62	Includes: std pistons, piston pins, retainers, ring sets, rod and main bearings, thrust washers and in-frame gasket set.
In-Frame Rebuild Kit with Sleeves	3066	IF6546/62/WS	Includes: std pistons, piston pins, retainers, ring sets, rod and main bearings, thrust washers, in-frame gasket set and repair sleeves. Note: repair sleeves must be machined after installation.
In-Frame Rebuild Kit	3066	IF7537/62	Includes std pistons, piston pins, retainers, ring sets, rod and main bearings, thrust washers and in-frame gasket set.
In-Frame Rebuild Kit with Sleeves	3066	IF7537/62/WS	Includes: std pistons, piston pins, retainers, ring sets, rod and main bearings, thrust washers, in-frame gasket set and repair sleeves. Note: repair sleeves must be machined after installation.
Cylinder Kits and Components			
Cylinder Kit	3064/3066	PLG517537	Consists of piston, pin, ring set, retainers and repair sleeve. Note: sleeves must be machined after installation.
Cylinder Kit	3064/3066	PLG1786546	Consists of piston, pin, ring set, retainers and repair sleeve. Note: sleeves must be machined after installation.
Piston Kit	3064/3066	PK517537	Includes: piston, pin, ring set and retainers.
Piston Kit	3064/3066	PK1786546	Includes piston, pin, ring set and retainers.
Piston	3064/3066	5I7537	
Piston	3064/3066	1786546	
Ring Set	3064/3066	5I7538	For the 5I7537 piston.
Ring Set	3064/3066	1786543	For the 1786546 piston.
Piston Pin	3064/3066	947134	
Piston Pin Retainers	3064/3066	5I7667	
Repair Sleeve	3064/3066	5I7523	Repair sleeves must be machined after installation.
Bearings			
Main Bearing (STD)	3064/3066	5I7588	3064 Requires 5 and 3066 requires 7.
Main Bearing (.25MM)	3064/3066	5I7784	3064 Requires 5 and 3066 requires 7.
Rod Bearing (STD)	3064/3066	5I7637-2	Sold as a pair. One pair per rod journal. 3064 requires 4 and 3066 requires 6.
Rod Bearing (.25MM)	3064/3066	5I7794-2	Sold as a pair. One pair per rod journal. 3064 requires 4 and 3066 requires 6.
Thrust Washer (STD)	3064/3066	5I7654	3 Per engine.
Valve Train and Cylinder			
Valve, Intake	In Development	5I7738	Use with 5I8011 valve insert.
Valve, Exhaust	In Development	5I7739	
Valve, Intake	In Development	2128477	Use with 2128474 valve insert. Late model 320C and 320I.

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DESCRIPTION	ENGINE MODEL	IPD PART NUMBER	NOTES
VALVE TRAIN AND CYLINDER HEAD COMPONENTS			
Insert, Valve Seat, Intake	In Development	2128474	Use with 2128477 intake valve. Late model 320C and 320I.
Guide, Intake	In Development	1838172	
Guide, Exhaust	In Development	1838173	
Valve Spring	In Development	517740	
Seal, Valve Stem	In Development	517624	
Insert, Valve Seat, Intake	In Development	518011	Use with 517738 intake valve.
Insert, Valve Seat, Exhaust	In Development	518012	Use with 517739 exhaust valve.
Valve Lock	In Development	517719	2 per valve.
GASKET SETS, GASKETS AND SEALS			
Gasket Set, In-Frame	3066	3066062	
Gasket, Cyl. Head	3066	2228331	
Gasket, Valve Cover	3066	517733	For 3066 engines that use the molded style valve cover seal. 2 Per engine.
Gasket, Valve Cover	3066	2552993	For 3066 engines that use the rectangular o-ring style valve cover seal. 2 Per engine.
Gasket, Air Inlet	3066	1352367	
Gasket, Oil Pan	3066	517666	
Gasket, Exhaust	3066	1786553	3066 Require 2 per engine.
Gasket, Turbo Mounting	3066	517742	3066 Exhaust.
Gasket, Air Inlet	3064/3066	517677	
Gasket, Air Inlet	3064/3066	517678	
Gasket	3064/3066	1764983	For valve cover nut.
O Ring	3064/3066	0951663	
Gasket, Fuel Lines	3064/3066	1R6573	
Gasket, Water Lines	3064/3066	2228214	
Gasket, Water Lines	3064/3066	517572	
Gasket, Turbo Lines	3064/3066	517561	Oil line.
Gasket, Turbo Lines	3064/3066	517689	Oil line.
Washer, Fuel Lines	3064/3066	0857269	
Washer, Oil Lines	3064/3066	0952038	
O-Ring, Breather	3064/3066	0949672	
Gasket	3064/3066	517679	Exhaust to muffler.
Gasket	3066	517691	Oil cooler mounting.
Gasket	3066	517690	Oil cooler cover.