



Photo by Ruth Hartnup

IPD Products for Caterpillar® C15 ACERT ENGINES

- In-Frame Overhaul Kits
- Out of Frame Overhaul Kits
- Cylinder Kits
- Crevice Seal Liners
- Valve Train
- Bearings
- Gasket Sets/Gaskets/Seals
- Misc. Components



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

IPD C15 ACERT PRODUCT LINE

IPD provides cost effective quality without risk to engine life or performance. Listed below are a few product highlights of IPD's C15 Acert overhaul kits and components.

IPDSteel™ Pistons

IPDSteel one piece pistons with IPD's exclusive 1-piece oil dam, special engineered coatings, and precision-machined profile pin bores.

- IPD's 1-piece oil dam plate design is simply better than 2-piece designs. IPD's design provides improved durability/reliability and superior retention in comparison to 2-piece or welded-in plates, significantly reducing the likelihood of the plate falling out and causing a catastrophic failure.
- Special anti-friction and break-in coatings engineered by IPD for enhanced high pressure deflection.
- IPD's special precision machining and metrology operations accurately machine and measure extremely small tolerances required for the proper design of this highly technical piston.



Piston Rings

The top ring for this application is engineered with a special Physical Vapor Deposition (PVD) coating, which is a process to produce a metal vapor that is deposited onto the electrically-conductive ring surface in a vacuum using a cathodic arc source. The result is a higher level of performance for this critical top ring location.



Piston Pins

IPD's piston pins are made of a very extreme high strength alloy, among the strongest alloys made in the heavy-duty industry. The result is enhanced tensile strength and wear resistance.

Cylinder Liners

Both standard and IPD's exclusive Crevice Seal liners are available. IPD Cylinder Liners are induction-hardened for improved wear resistance and strength, and plateau-honed for superior piston ring lubrication and load bearing characteristics. IPD Crevice Seal liners provide enhanced flange support by helping to restrict liner movement, thus providing added protection to the top chamfer of the cylinder block lower bore, the lower section of the liner, and the o-rings.



Gasket Sets

IPD uses premium materials designed for heavy-duty industrial engine applications. IPDStyle 1-2-3™ sets provide all the items you need to complete your overhaul, all in one easy to order part number.

IPD PARTS LIST FOR C15 ACERT ENGINES



| Item Description | Part Number | Notes |
|--|---------------|--|
| ENGINE OVERHAUL KITS | | |
| IN-FRAME KITS | | |
| IN-FRAME KIT – IPD STEEL™ PISTON | IF5516/012 | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | IF7460/012 | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| IN-FRAME KIT – IPD STEEL™ PISTON & CS LINER | IF5516/012/CS | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | IF7460/012/CS | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| OUT OF FRAME KITS | | |
| OUT OF FRAME KIT – IPD STEEL PISTON | OF5516/011 | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | OF7460/011 | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| OUT OF FRAME KIT – IPD STEEL PISTON & CS LINER | OF5516/011/CS | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | OF7460/011/CS | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| CYLINDER KITS | | |
| PISTON & LINER ASSY | PLG2485516 | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | PLG3067460 | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| PISTON & CS LINER ASSY | PLG2485516/CS | FOR TRUCK APPLICATIONS USING PISTON #2485516 (17:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| | PLG3067460/CS | FOR TRUCK APPLICATIONS USING PISTON #3067460 (18:1 COMPRESSION) & ENGINE S/N MXS-UP AND BXS-UP |
| MISC. | | |
| ENGINE OIL COOLER | 2237962 | |
| SLEEVE, EXHAUST | 2818261 | |
| STUD KIT, EXHAUST | ESK3406E | |

* Parts listing (subject to change) provided for reference purposes only, not to be used as a catalog.



VALVE TRAIN

| | | |
|--------------|---------|----------------|
| VALVE | 1537024 | EXHAUST |
| | 2365605 | INTAKE |
| VALVE GUIDE | 1227375 | INTAKE/EXHAUST |
| VALVE SPRING | 2113122 | INNER |
| | 2479908 | OUTER |
| VALVE LOCK | 2A4429 | |
| ROTOCOIL | 1862001 | |
| CAM BUSHING | 1345251 | STD. |
| | 1504793 | 0.010 |
| | 2170752 | 0.030 |

BEARINGS

| | | |
|------------------|---------|--------------|
| BEARING, CON ROD | 2243246 | STANDARD |
| MAIN BEARING | 3178766 | STD (DIESEL) |
| | 4W5698 | 0.025 |
| | 4W5699 | 0.050 |
| THRUST PLATE | 2531752 | |

GASKETS

IPDSTYLE 1-2-3™ GASKET SETS

| | | |
|-------------------------------|-----------|--|
| IN-FRAME OVERHAUL SET | C15012 | DOES NOT INCLUDE OIL PAN ISOLATION SEAL*, OIL PAN GASKET, OR FUEL INJECTION O-RINGS*. |
| | C15012NLS | DOES NOT INCLUDE OIL PAN ISOLATION SEAL*, OIL PAN GASKET, FUEL INJECTION O-RINGS*, OR LINER SEALS |
| OUT OF FRAME OVERHAUL SET | C15011 | DOES NOT INCLUDE OIL PAN ISOLATION SEAL*, OIL PAN GASKET, OR FUEL INJECTION O-RINGS*. |
| | C15011NLS | DOES NOT INCLUDE OIL PAN ISOLATION SEAL*, OIL PAN GASKET, FUEL INJECTION O-RINGS*, OR LINER SEALS |
| CYLINDER HEAD REPLACEMENT SET | C15013 | DOES NOT INCLUDE FUEL INJECTION O-RINGS*. |

*SEALS AND O-RINGS AVAILABLE SEPARATELY

MISC.

| | | |
|-----------------------------|-----------|--|
| CYLINDER HEAD GASKET | 2245122SP | |
| MULTIPLE FUEL INJECTION SET | C15009 | |
| SINGLE FUEL INJECTION SET | 2481394 | |

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IPD ENGINE MODEL SUMMARY

CATERPILLAR®

D3508 / D3512 / D3516 / D3524
G3508 / G3512 / G3516 / G3520
D3406 / D3408 / D3412
D3406E / D3408E / D3412E
G3406 / G3408 / G3412
D3304 / D3306 / D333
G3304 / G3306 / G333
3204 / 3208
3114 / 3116 / 3126 / 3176C / 3196
3064 / 3066
D379 / D398 / D399
G379 / G398 / G399
D353 / G353
D339 / D342 / G342
D343 / D346 / D348
C7, C9, C10, C12, C15 / C15 Acert

CUMMINS®

ISX15/QSX15

DETROIT DIESEL®

60 Series

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