



### IPD'S DRIVING AMBITION IS CUSTOMER SATISFACTION ON AND OFF THE ROAD.

IPD provides cost effective quality and savings without risk to engine life or performance. Truck drivers, engine rebuilders and parts distributors all over the world know they can rely on IPD parts to ensure their trucks deliver on time.

### **IPD Products for On-Highway Engines**

Caterpillar: 3116, 3126, 3208, 3306, 3406, C7,

C9, C10, C12, C13, C15

Cummins: ISX and ISX15

60 Series and DD15

Check with your IPD regional sales manager or customer service representative for our latest offerings or visit IPDNet at store.ipdparts.com

### Reliability Backed by IPD's Industry-Leading Warranty

All IPD quality parts for DD15 are backed by an industryleading 2-year warranty (unlimited miles) for on-highway diesel applications.



### **IPD**

23231 Normandie Ave. Torrance, CA 90501 USA +1.310.530.1900 ISO 9001: 2015 Certified

ipdparts.com







# **IPD PROVIDES THE MOST INNOVATIVE ENGINE KIT FOR DD15**



ISO 9001: 2015 Certified

# IPD WAS THE FIRST TO MARKET DD15 AND FIRST WITH CRYO HEAD BOLTS

## IPD's in-frame kit offers everything you need for your DD15 engine rebuild:

- IPD is the only aftermarket company that uses all new, quality parts
- IPD parts are a reliable and a cost-effective alternative to OE
- Using IPD products extends the engine life and performance of your truck
- All of IPD's DD15 engine components begin with drawings by our in-house engineering team
- All parts are tested and approved by IPD's in-house quality assurance team
- IPD is ISO 9001: 2015 certified

#### IPD DD15 In-Frame Kit Feature:

- Forged friction-welded steel pistons with cooling nozzles, rings, pins and retainers
- Cast iron liners available (APR and non-APR) with seals
- Main bearings, thrust washers, and connecting rod bearings
- Cylinder head gasket kit
- Standard head bolt kit plus an optional cryo version available upon request
- Main cap and connecting rod bolts
- Oil pan gaskets and oil pan seals available separately
- Lower-end gasket kit available to make out-of-frame kit

### WHY YOU NEED CRYO HEAD BOLTS!



 $\label{lem:contact} \mbox{Contact your IPD customer service representative to request this optional upgrade.}$ 

IPD is the first company to offer cryo-treated head bolts for the DD15. Cryogenic heat treatment is a precisely engineered process of taking materials down to approximately -310° F, keeping them at that temperature in liquid nitrogen to remove residual stresses, and then ramping temperature back to room temperature, followed by a mild heat treatment process. The result is a considerably longer life bolt with less internal stress and optimized tensile strength. IPD's cryo-treated DD15 head bolts are designed to ensure proper and even clamping forces across your cylinder head and keep your engine running.

		EPA07 2007-2009	EPA07 2007-2009	EPA07 2007-2009	EPA10 2010-2012	EPA10 2010-2012	EPA10 2010-2012	EPA10 2013	EPA10 2013	EPA07 2007-2009	EPA07 2007-2009
		WESTERN STAR	FREIGHTLINER	STERLING	FREIGHTLINER	WESTERN STAR		ASYMMETRIC TURBO (AT)	TURBO COMPOUND (TC)	EXPORT(USUALLY AUSTRALIA)	EXPORT EURO IV (USU- ALLY CHILE/MEXICO)
DESC	NOTES	472900S	472901S	472902S	472903S	472904S	472905S	472906S	472909S	472907S	472908S
INFRAME KIT	INCLUDES EVERYTHING BELOW EXCEPT OPTIONAL ITEMS	KIF2317/520	KIF2317/520	KIF2317/520	KIF2317/920	KIF2317/920	KIF2317/920	KIF2317/120APR	KIF2317/120APR	KIF2317/920	KIF2317/920
PISTON KIT	INCLUDES PISTONS, COOLING NOZZLES, RING SET, PISTON PINS AND RETAINERS	A4720302317	A4720302317	A4720302317	A4720302317						
RING SET	FOR USE WITH WELDED PISTON ONLY	A4720300624	A4720300624	A4720300624	A4720300624						
LINER KIT APR	INCLUDES APR RING & SEAL							A4720111910	A4720111910	A4720111910	A4720111910
LINER KIT NON APR	INCLUDES SEAL	A4720111810	A4720111810	A4720111810	A4720111810	A4720111810	A4720111810				
HEAD BOLT KIT		DD15CHBK	DD15CHBK	DD15CHBK	DD15CHBK						
HEAD BOLT KIT - CRYO	OPTIONAL UPGRADE – ADDITIONAL PRICE APPLIES	DD15CHBKFR	DD15CHBKFR	DD15CHBKFR	DD15CHBKFR						
ROD BEARING		A4720300960	A4720300960	A4720300960	A4720300960						
MAIN BEARING		A4720300240	A4720300240	A4720300240	A4720300240						
THRUST WASHER		A4720300445	A4720300445	A4720300445	A4720300445						
ROCKER CVR GASKET		A4720160180	A4720160180	A4720160180	A4720160121	A4720160121	A4720160121	A4720160121	A4720160121	A4720160121	A4720160121
HEAD SET		A4710161520	A4710161520	A4710161520	A4720161920	A4720161920	A4720161920	A4720162120	A4720162120	A4720161920	A4720162120
BOLT, MAIN CAP		A0000111071	A0000111071	A0000111071	A0000111071						
BOLT, CON ROD		A4720380071	A4720380071	A4720380071	A4720380071						
GASKET, EXHAUST MANIFOLD		A4721421880	A4721421880	A4721421880	A4721421880						
GASKET, EXHAUST MANIFOLD		A4721421980	A4721421980	A4721421980	A4721421980						
GASKET, INTAKE		A4720980080	A4720980080	A4720980080	A4720980080						
GASKET, CHARGE AIR PIPE		A4720980180	A4720980180	A4720980180	A4720980180						
GASKET, TURBO MOUNTING		A4730960280	A4730960280	A4730960280	A4730960280						
WASHER		N00000001069	N00000001069	N00000001069	N00000001069						
WASHER		N00000001070	N00000001070	N00000001070	N00000001070						
OPTIONAL ITEMS											
OIL PAN SEAL	USED WITH PLASTIC OIL PAN	A4720140022	A4720140022	A4720140022	A4720140022						
OIL PAN GASKET	USED WITH ALUMINUM OIL PAN	A4720140322	A4720140322	A4720140322	A4720140322						
LOWER GASKET SET	INCLUDES CRANK SEALS	A4720102205	A4720102205	A4720102205	A4720102205						
FRONT CRANK SEAL	INCLUDED IN LOWER GASKET SET	A0169970646	A0169970646	A0169970646	A0169970646						
REAR CRANK SEAL	INCLUDED IN LOWER GASKET SET	A0159974946	A0159974946	A0159974946	A0159974946						