

INTERNATIONAL



ENGINE: D188 (Early w/Wide Flange Liners)

BORE: 3.6875"	4 Cyl	Diesel	NOTES: Light Press Liner w/.188 Thick Flange (4.165" Flg OD)
APPLICATION: Tractors: 504 Farmall Thru ESN 12092; 504, 2504 International Thru ESN 11524; Tractors: 2500 Constructall Thru ESN 11524; 3514 Series Thru ESN 12089;			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	944235	In-Frame Kit, STD Liners & Cast Oil Rings (1)					I
	1	944283	In-Frame Kit, .002 Oversize Liners & Cast Oil Rings					I
	1	945235	Out-of-Frame Kit, STD Liners & Cast Oil Rings (1)			O		
	1	945283	Out-of-Frame Kit, .002 Oversize Liners & Cast Oil Rings			O		
	1	945284	Out-of-Frame Kit, .005 Oversize Liners & Cast Oil Rings			O		
	1	945285	Out-of-Frame Kit, .010 Oversize Liners & Cast Oil Rings			O		
	4	141155	Sleeve & Piston Assembly, STD Liner & Cast Oil Rings (1)				O	I
	4	141156	Sleeve & Piston Assembly, .002 OS Liner & Cast Oil Rings				O	I
	4	141157	Sleeve & Piston Assembly, .005 OS Liner & Cast Oil Rings			O		
	4	141158	Sleeve & Piston Assembly, .010 OS Liner & Cast Oil Rings			O		
	4	141466	Piston Assembly					
	4	141475	Cylinder Liner, STD OD					
	4	141476	Cylinder Liner, .002 Oversize OD					
	4	141477	Cylinder Liner, .005 Oversize OD					
	4	141478	Cylinder Liner, .010 Oversize OD					
	1	141479	Cylinder Liner Shim, .003					
	1	141481	Cylinder Liner Shim, .005					
	4	141472	Piston Ring Set, HD Cast Oil Ring (1-1/8HK 1-1/8 1-1/4)					
	4	141473	Piston Ring Set, LD 3 Pc Oil Ring (1-1/8HK 1-1/8 1-1/4)					
	1	141474	Piston Ring Set, LD 3 Pc Oil Ring (1-3/32HK 1-1/8 1-1/4) (2)					
	4	241186	STD Rod Bearing	O	O	O	O	I
	4	241187	.001 Rod Bearing					
	4	241188	.002 Rod Bearing					
	4	241189	.010 Rod Bearing					
	4	241191	.020 Rod Bearing					
	4	241192	.030 Rod Bearing					
	4	241193	.040 Rod Bearing					
	4	241194	.060 Rod Bearing					
	1	241364	STD Main Bearing Set (3 3/4" Thrust Flange Diameter)	O	O	O	O	I
	1	241365	.002 Main Bearing Set (3 3/4" Thrust Flange Diameter)					
	1	241366	.010 Main Bearing Set (3 3/4" Thrust Flange Diameter)					
	1	241367	.020 Main Bearing Set (3 3/4" Thrust Flange Diameter)					
	1	241368	.030 Main Bearing Set (3 3/4" Thrust Flange Diameter) (3)					
	1	341343	Head Gasket Set w/Nozzle & Precup Gaskets	O	O	O	O	I
	1	341344	Head Gasket					
	8	301114	Positive Valve Seal, Optional (Not in Gasket Sets) (4)					
	1	341348	Valve Cover Gasket					
	1	341345	Full Gasket Set w/Seals					
	1	341346	Lower Gasket Set w/Seals	O	O	O	O	
	1	341349	Tappet Cover Gasket					
	1	341347	Pan Gasket Set					I
	1	341339	Front Crank Seal					
	1	301115	Front Wear Sleeve, Optional (Not in Gasket Sets)					
	1	341197	Rear Crank Seal Kit (Includes Seal & Main Cap Plugs)					
	1	301116	Rear Wear Sleeve, Optional (Not in Gasket Sets)					
	4	241363	Pin Bushing					
	1	241369	Cam Bearing Set					
	8	741223	Rod Bolt					
	1	741227	Head Bolt Kit w/Washers					

(1)Also Available w/LD 3 Pc Oil Ring (2)6 Cylinder Set (3)For .010"Oversize Thrust Length Use 241529 (4)Use VST1812 Seal Tool

IH-188-A

8/1/2004

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	949332	Basic Valve Kit				B	
	1	949132	Valve Train Kit			V		
	1	541233	Rebuilt Camshaft					
	1	NLA	New Camshaft					
	1	541162	Cam Thrust Plate					
	1	541163	Camshaft Nut					
	8	541113	Tappet					
	4	441335	Exhaust Valve (1.30" Head Dia)		V		B	
	4	441336	Intake Valve (1.65" Head Dia)		V		B	
	8	441327	Valve Guide (5)		V		B	
	8	441328	Valve Spring		V		B	
	8	441329	Valve Rotator		V			
	16	441116	Valve Keeper (Half)		V		B	
	4	401119	Exhaust Valve Seat					
	4	401121	Intake Valve Seat					
	2	441331	Exhaust Rocker Arm, LH					
	2	441332	Exhaust Rocker Arm, RH					
	4	441333	Intake Rocker Arm					
	8	441219	Rocker Arm Adjusting Screw					
	1	NLA	Rocker Arm Shaft					
	1	541165	Cam Gear					
	1	541166	Crank Gear					
	1	NLA	Idler Gear					
	1	541168	Idler Gear Bushing (1.550" Wide)					
	1	NLA	Injection Pump Drive Gear					
	8	541173	Push Rod					
	1	641152	New Oil Pump (Use w/Floating Screen)					
	1	641148	Oil Pump Kit					
	1	641186	Oil Pump Screen					
	1	641154	Oil Pressure Regulating Spring (In Crankcase)					
	1	641155	Oil Pressure Regulating Valve (In Crankcase)					
	4	741182	Balancer Weight Bushing					
	2	NLA	Balancer Weight Shaft					
	1	721162	Cam Plug (2 3/8")					
	3	721118	Block Plug, Side (Stainless Steel)					
	1	721117	Block Plug, End (Stainless Steel)					
	4	841233	Precombustion Chamber					
	4	841231	Glow Plug					
	1	841188	Thermostat					
	1	841189	Block Heater					
	1	841191	Water Pump					
	7	821123	Exhaust Manifold Stud					
	7	841232	Exhaust Manifold Nut					

(5)For .002 Oversize Guide Use 441456 or .003 Guide Use 441457 or .005 Guide Use 441458