

INTERNATIONAL



ENGINE: D239 Neuss (Late)

BORE: 3.875"	4 Cyl	Diesel	NOTES: Engines Built After 1979 / 4.658-4.667" O-Ring Groove Dia / 4.75MM Liner O-Ring
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APPLICATION:	Crawlers: TD7E After ESN 53692; TD8C; Tractors: 514, 574, 2500 GD After ESN D103203; Tractors: 684 After ESN D475097; 685 w/Cab Thru ESN D484939; 685 wo/Cab Thru ESN D679081; Tractors: Late 2500A, 2500B, 2505B, 2510B, 2514B, 2544, 3500A-GD, 3514; 3500A-HS After ESN182012; Loaders: 100E After ESN 53692; 125C; 250A-TC After ESN 700611; 250A-HS After ESN 646361; Loaders: 250A-GD After ESN 640235; 260A-HS After ESN 653713; 260A-TC After ESN 706836; Windrowers: 4000, 5000, 5500, After ESN D021186;
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HS-Hydrostatic Trans
GD-Gear Drive Trans
TC-Torque Converter

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	944155	In-Frame Kit, 15:1 STD Compression Ratio				I	
	1	944156	In-Frame Kit, 16:1 Hi-Compression Option				I	
	1	945155	Out-of-Frame Kit, 15:1 STD Compression Ratio		O			
	1	945156	Out-of-Frame Kit, 16:1 Hi-Compression Option		O			
	4	141245	Sleeve & Piston Assembly, 15:1 (Replace in Sets of 4)		O		I	
	4	141246	Sleeve & Piston Assembly, 16:1 (Replace in Sets of 4)		O		I	
	4	141247	Cylinder Liner (Includes O-Ring)					
	4	141248	Cylinder Liner O-Ring Package					
	1	141234	Cylinder Liner Shim, 0.05 MM					
	1	141235	Cylinder Liner Shim, 0.10 MM					
	1	141236	Cylinder Liner Shim, 0.25 MM					
	1	141237	Cylinder Liner Shim, 0.50 MM					
	1	141238	Cylinder Liner Shim, 0.80 MM					
	1	141244	Block Repair Sleeve, Lower Liner Pilot Bore					
	4	141239	Piston Ring Set, 3 Ring Piston w/Keystone Top Ring					
	4	141241	Piston Ring Set, 3 Ring Piston w/Rectangular Top Ring					
	4	141242	Piston Ring Set, 4 Ring Piston w/Keystone Top Ring					
	4	141243	Piston Ring Set, 4 Ring Piston w/Rectangular Top Ring					
	4	241157	STD Rod Bearing		O	O	I	I
	4	241158	.010 Rod Bearing					
	4	241159	.020 Rod Bearing					
	4	241161	.030 Rod Bearing					
	1	241168	STD Main Bearing Set		O	O	I	I
	1	241169	.010 Main Bearing Set					
	1	241171	.020 Main Bearing Set					
	1	241172	.030 Main Bearing Set					
	1	341171	Head Gasket Set		O	O	I	I
	1	341172	Head Gasket					
	1	341173	Head Gasket, 0.25 MM Thinner Than Standard (1)					
	1	341175	Lower Gasket Set w/Seals: All Except Below		O	O		
	1	341177	Lower Gasket Set w/Seals: TD7E,100E,4000,5000,5500		O	O		
	1	341179	Supplemental Gkt Set, Engine w/Bolt-On Water Channel (2)				I	I
	1	341176	Pan Gasket					
	1	341164	Front Crank Seal					
	1	341165	Front Crank Seal Kit, Optional (Not in Gasket Sets)					
	1	341166	Rear Crank Seal					
	1	301113	Rear Wear Sleeve, Optional (Not in Gasket Sets)					
	4	241162	Piston Pin Bushing					
	1	241173	Cam Bearing Set, Original 5 Journal Cam (3)					
	1	241174	Cam Bearing Set, Late 3 Journal Replacement Cam (3)					
	8	741148	Rod Bolt					
	8	741149	Rod Nut					
	1	741162	Head Bolt Kit					

(1)Caution -Use Only When Piston Protrusion is Less than.022" (2)Optional Gaskets (3)Oversize Cam Bearing Sets Also Available

IH-239-E

3/15/2006

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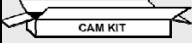
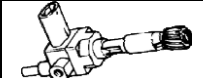
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GD-Gear Drive Trans Loaders: 100E After ESN 53692; 125C; 250A-TC After ESN 700611; 250A-HS After ESN 646361;
TC-Torque Converter Loaders: 250A-GD After ESN 640235; 260A-HS After ESN 653713; 260A-TC After ESN 706836;
Windrowers: 4000, 5000, 5500, After ESN D021186;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	949521	Cam Kit, Original Design (5 Journals)					C
	1	949537	Cam Kit, Late or Replacement Design (3 Journals)					C
	1	949322	Basic Valve Kit: Except 100E Loader, TD7E Crawler				B	
	1	949352	Basic Valve Kit: 100E Loader, TD7E Crawler				B	
	1	949122	Valve Train Kit: Except 100E Loader, TD7E Crawler			V		
	1	949152	Valve Train Kit: 100E Loader, TD7E Crawler			V		
	1	541155	New Camshaft, Original Design (5 Journals)					C
	1	541156	New Camshaft, Late or Replacement Design (3 Journals)					C
	1	541145	Cam Thrust Plate					
	8	541144	Tappet					C C
	4	441176	Exhaust Valve: Except 100E Loader, TD7E Crawler		V		B	
	4	441193	Exhaust Valve: 100E Loader, TD7E Crawler	V			B	
	4	441177	Intake Valve	V	V		B	
	8	441178	Valve Guide	V	V		B	
	8	441179	Valve Spring: Except 100E Loader, TD7E Crawler		V		B	
	8	441191	Valve Spring: 100E Loader, TD7E Crawler	V			B	
	8	441181	Valve Rotator	V	V			
	16	441182	Valve Keeper (Half)	V	V		B	
	4	441183	Exhaust Valve Seat					
	4	401111	Intake Valve Seat					
	4	441186	Exhaust Rocker Arm					
	4	441187	Intake Rocker Arm					
	8	441189	Rocker Arm Bushing, Fits Only Arms w/Bushings					
	1	441192	Rocker Arm Shaft					
	1	541146	Cam Timing Gear					
	1	541147	Crank Timing Gear					
	1	541148	Injection Pump Idler Gear					
	1	541149	Injection Pump Idler Gear Bearing Kit (4)					
	1	541152	Injection Pump Gear					
	8	541151	Push Rod					
	1	641136	Oil Pump: 260A, 514, 3500A, 3514					
	1	641141	Oil Pump: 250A, 574, 2500, 684, 685, 4000, 5000, 5500					
	1	641142	Oil Pump: TD7E, 100E, 2500A&B, 2505B, 2510B, 2514B					
	1	641137	Oil Pump Gear Set, External Pump (38.5 MM Wide)					
	1	641143	Oil Pump Gear Set, Internal Pump (30 MM Wide)					
	1	641138	Oil Cooler: 100E Loader, TD7E Crawler					
	1	741134	Crankshaft					
	1	741153	Cam Plug (2 3/4")					
	2	741154	Plug, Oil Galley (25 MM)					
	4	841173	Brass Nozzle Sleeve					
	1	841174	Thermostat (180 Degree)					
	1	841181	Water Pump: 250A,260A,574,684,685,2500 Series,3500A					
	1	841182	Water Pump: 4000, 5000, 5500 Windrowers					
	1	841183	Water Pump: 514, 3514 Tractors					

(4)If Replacing Press-In Type Bearings Also Replace Idler Gear

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