

INTERNATIONAL



ENGINE: DT239 Neuss
Early TurboEngine

BORE: 3.875" 4 Cyl Diesel NOTES: 38MM Pin / Built Thru 1979 / 4.667-4.677" O-Ring Grv Dia / 5.0 MM Liner O-Ring

APPLICATION: Crawlers: TD8E Thru ESN 5988; Loaders: 125E Thru ESN 5988; Other Construction Equipment:

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
	1	944358	In-Frame Kit			I	
	1	945358	Out-of-Frame Kit		O		
	4	141257	Sleeve & Piston Assembly (38MM Pin)		O	I	
	4	141799	Piston Kit, w/Rings (38MM Pin)		O		
	4	141232	Cylinder Liner (Includes O-Ring)				
	4	141233	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	241157	STD Rod Bearing		O	I	
	4	241158	.010 Rod Bearing				
	4	241159	.020 Rod Bearing				
	4	241161	.030 Rod Bearing				
	1	241168	STD Main Bearing Set		O	I	
	1	241169	.010 Main Bearing Set				
	1	241171	.020 Main Bearing Set				
	1	241172	.030 Main Bearing Set				
	1	341171	Head Gasket Set, (Turbo Mounting Gaskets Not Included)		O	I	
	1	341172	Head Gasket				
	1	341173	Head Gasket, 0.25 MM Thinner Than Standard (1)				
	8	341158	Positive Valve Stem Seal				
	1	341178	Valve Cover Gasket				
	1	341177	Lower Gasket Set w/Seals		O		
	1	341168	Rear Seal Housing Gasket				
	1	341176	Pan Gasket			I	
	1	341164	Front Crank Seal				
	1	341165	Front Crank Seal Kit, Optional (Not in Gasket Sets)				
	1	341166	Rear Crank Seal (130MM OD)				
	1	341559	Rear Crank Seal (140MM OD)				
	1	301113	Rear Wear Sleeve, Optional "Not in Sets" "Not in Gasket Sets"				
	4	241175	Piston Pin Bushing (38MM Pin)				
	1	241173	Cam Bearing Set, Original 5 Journal Cam (2)				
	1	241174	Cam Bearing Set, Late 3 Journal Replacement Cam (2)				
	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)Oversize Cam Bearing Sets Also Available

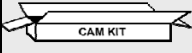
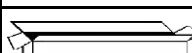
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	1	949521	Cam Kit, Original Design (5 Journals)					C
	1	949537	Cam Kit, Late or Replacement Design (3 Journals)					C
	1	949352	Basic Valve Kit				B	
	1	949152	Valve Train Kit				V	
	1	541155	New Camshaft, Original Design (5 Journals)					C
	1	541156	New Camshaft, Late or Replacement Design (3 Journals)					C
	1	541145	Cam Thrust Plate					
	8	541144	Tappet					C C
	4	441193	Exhaust Valve		V		B	
	4	441177	Intake Valve		V		B	
	8	441178	Valve Guide		V		B	
	8	441191	Valve Spring		V		B	
	8	441181	Valve Rotator		V			
	16	441182	Valve Keeper (Half)		V		B	
	4	441183	Exhaust Valve Seat					
	4	441185	Exhaust Valve Seat, .006 Oversize					
	4	441184	Exhaust Valve Seat, .016 Oversize					
	4	401111	Intake Valve Seat					
	4	401112	Intake Valve Seat, .010 Oversize					
	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 (3)					
	1	541152	Injection Pump Gear					
	8	541151	Push Rod					
	1	641142	Oil Pump					
	1	641143	Oil Pump Gear Set (30 MM Wide)					
	1	641138	Oil Cooler					
	1	741134	Crankshaft					
	1	741163	Balancer Drive Gear, Late Engines (15.5 MM Wide)					
	1	741164	Balancer Assembly, Late Engines					
	2	741165	Balancer Shaft					
	1	741166	Balancer Gear Set					
	1	741153	Cam Plug (2 3/4")					
	2	741154	Plug, Oil Galley (25 MM)					
	2	741156	Plug, Head External (52 MM)					
	4	741158	Plug, Head Internal (32 MM)					
	4	841173	Brass Nozzle Sleeve					
	1	841174	Thermostat (180 Degree)					
	1	841185	Bypass Hose					
	2	841172	Oil Cooler Hose					

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

IH-239-Q

8/1/2006

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