

INTERNATIONAL



ENGINE: D358 Neuss (Late)
Late 16:1 Compression Engine

BORE: 3.875" 6 Cyl Diesel NOTES: Engines Built After 1979 / 4.658-4.667" O-Ring Groove Dia / 4.75MM Liner O-Ring

APPLICATION: Combines: 1620 Thru JJC0032629;
Tractors: 3088 After ESN 121247; 3288 After ESN 111090;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
	1	944138	In-Frame Kit			I	
	1	945138	Out-of-Frame Kit		O		
	6	141246	Sleeve & Piston Assembly		O	I	
	6	141247	Cylinder Liner (Includes O-Ring)				
	6	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				
	6	141239	Piston Ring Set, 3 Ring Piston w/Keystone Top Ring				
	6	241157	STD Rod Bearing (1.264" Width, RH Notch)		O	I	
	6	241158	.010 Rod Bearing (1.264" Width, RH Notch)				
	6	241159	.020 Rod Bearing (1.264" Width, RH Notch)				
	6	241161	.030 Rod Bearing (1.264" Width, RH Notch)				
	1	241135	STD Main Bearing Set		O	I	
	1	241136	.010 Main Bearing Set				
	1	241137	.020 Main Bearing Set				
	1	241138	.030 Main Bearing Set				
	1	341156	Head Gasket Set			I	
	1	341157	Head Gasket				
	1	341167	Head Gasket, 0.25 MM Thinner Than Standard (1)				
	12	341158	Positive Valve Stem Seal				
	1	341159	Valve Cover Gasket				
	1	341162	Full Gasket Set w/Seals		O		
	1	341161	Crankcase Gasket Set w/Seals				
	1	341168	Rear Seal Housing Gasket				
	1	341163	Pan Gasket, Except Combine			I	
	1	341169	Pan Gasket: 1620 Combine (Not in Gkt Sets or Kits)				
	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)				
	6	241162	Piston Pin Bushing				
	1	241134	Cam Bearing Set, Early 7 Journal Cam (2)				
	1	241163	Cam Bearing Set, Late 4 Journal & Replacement Cam (2)				
	12	741148	Rod Bolt				
	12	741149	Rod Nut				
	1	741151	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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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	949519	Cam Kit, Early Design (7 Journals)					C
	1	949536	Cam Kit, Late or Replacement Design (4 Journals)					C
	1	949323	Basic Valve Kit: 3088 & 3288 Tractors				B	
	1	949351	Basic Valve Kit: 1620 Combine				B	
	1	949123	Valve Train Kit: 3088 & 3288 Tractors			V		
	1	949151	Valve Train Kit: 1620 Combine			V		
	1	541142	New Camshaft, Early Design (7 Journals)					C
	1	541143	New Camshaft, Late or Replacement Design (4 Journals)					C
	1	541145	Cam Thrust Plate					
	12	541144	Tappet					C
	6	441176	Exhaust Valve	V	V	B	B	
	6	441177	Intake Valve	V	V	B	B	
	12	441178	Valve Guide	V	V	B	B	
	12	441179	Valve Spring: 3088 & 3288 Tractors			V	B	
	12	441191	Valve Spring: 1620 Combine			V	B	
	12	441181	Valve Rotator	V	V			
	24	441182	Valve Keeper (Half)	V	V	B	B	
	6	441183	Exhaust Valve Seat					
	6	441185	Exhaust Valve Seat, .006 Oversize					
	6	441184	Exhaust Valve Seat, .016 Oversize					
	6	401111	Intake Valve Seat					
	6	401112	Intake Valve Seat, .010 Oversize					
	6	441186	Exhaust Rocker Arm					
	6	441187	Intake Rocker Arm					
	12	441189	Rocker Arm Bushing, Fits Only Arms w/Bushings					
	1	441188	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: 3088 & 3288 Tractors					
	1	541153	Injection Pump Gear: 1620 Combine					
	12	541151	Push Rod					
	1	641139	New Oil Pump					
	1	641137	Oil Pump Gear Set (38.5 MM Wide)					
	1	641138	Oil Cooler					
	1	741152	Crankshaft					
	1	741153	Cam Plug (2 3/4")					
	2	741154	Plug, Oil Galley (25 MM)					
	2	741156	Plug, Late Head (52 MM)					
	6	741154	Plug, Late Head (25 MM)					
	6	841173	Brass Nozzle Sleeve: 3088 & 3288 Tractors (.385" Tip Bore)					
	6	841178	Brass Nozzle Sleeve: 1620 Combine (.436 Tip Bore)					
	1	841174	Thermostat (180 Degree)					
	1	841177	Block Heater					
	1	841175	Water Pump					
	1	841176	Bypass Hose					
	2	841172	Oil Cooler Hose					

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

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