

FORD



ENGINE: 474 CI / 7.8L (87-UP)
678HT / 678HTA (M111 / M311 / M411)

BORE: 4.401" 6 Cyl Diesel NOTES: 1.750" Pin, Mexican Hat Bowl, Straight Rod

APPLICATION: Combines: New Holland TR86 # 527531-533010; TR96 # 528156-533273; TX36 Thru 8606999;
Trucks: Ford 87-91 180-240 HP Engine w/Round Oil Cooler w/Engine Mfr Date Thru 9/30/90

QTY		ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
	1	964242	In-Frame Kit			I	
	1	965242	Out-of-Frame Kit		O		
	6	161591	STD Piston Kit (Includes Pin & Rings)		O	I	
	6	161592	STD Piston Assembly				
	6	161593	.020 Piston Assembly				
	6	161594	.030 Piston Assembly				
	6	161595	.040 Piston Assembly				
	6	161619	Liner, OEM Type (Semi-Finished / 4.506" OD x 8.690" OAL)				
	6	161691	Liner (Semi-Finished Bore / 4.590" OD x 8.500" OAL)				
	6	161646	Liner (Semi-Finished Bore / 4.590" OD x 9.000" OAL)				
	6	161287	STD Ring Set				
	6	161288	.020 Ring Set				
	6	161289	.030 Ring Set				
	6	161291	.040 Ring Set				
	6	261168	STD Rod Bearing (1.250" Wide)		O	I	
	6	261169	.002 Rod Bearing (1.250" Wide)				
	6	261171	.010 Rod Bearing (1.250" Wide)				
	6	261172	.020 Rod Bearing (1.250" Wide)				
	6	261173	.030 Rod Bearing (1.250" Wide)				
	6	261174	.040 Rod Bearing (1.250" Wide)				
	1	261518	STD Main Bearing Set		O	I	
	1	261519	.002 Main Bearing Set				
	1	261521	.010 Main Bearing Set				
	1	261522	.020 Main Bearing Set				
	1	261523	.030 Main Bearing Set				
	1	261524	.040 Main Bearing Set				
	1	361331	Head Gasket Set		O	I	
	1	361332	Head Gasket				
	1	361338	Intake Manifold Gasket				
	1	361339	Exhaust Manifold Gasket Set				
	12	361343	Positive Type Valve Seal				
	1	361171	Valve Cover Gasket (Steel Edge Molded Rubber)				
	1	361333	Lower Gasket Set w/Seals		O		
	1	361334	Pan Gasket			I	
		361335	Full Gasket Set w/Seals				
	1	361336	Front Crank Seal				
	1	361188	Crank Spacer (2.043" x 2.625" x .930") (1)				
	1	361131	Rear Crank Seal				
	1	301131	Rear Crank Wear Sleeve (1)				
	6	261525	Pin Bushing (Straight)				
	6	261539	Pin Bushing (Tapered)				
	1	261248	Cam Bearing Set				
	12	761127	Rod Capscrew				
	1	761216	Head Bolt Kit				

(1)Not in Gasket Sets

FO-474-A

4/1/2004

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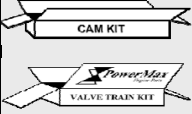
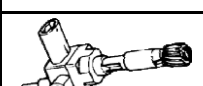
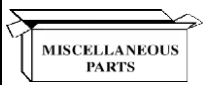
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
	1	561238	Camshaft				
	12	561132	Tappet				
	6	461411	STD Exhaust Valve (1.693" Hd / 45 Degree)				
	6	461412	.003 Exhaust Valve (1.693" Hd / 45 Degree)				
	6	461413	.015 Exhaust Valve (1.693" Hd / 45 Degree)				
	6	461414	.030 Exhaust Valve (1.693" Hd / 45 Degree)				
	6	461415	STD Intake Valve (1.870" Hd / 30 Degree)				
	6	461416	.003 Intake Valve (1.870" Hd / 30 Degree)				
	6	461417	.015 Intake Valve (1.870" Hd / 30 Degree)				
	6	461418	.030 Intake Valve (1.870" Hd / 30 Degree)				
	12	461419	Service Repair Valve Guide				
	12	461421	Valve Spring				
	24	461131	Valve Keeper (Half)				
	6	461422	STD Exhaust Valve Seat				
	6	461423	.030 Exhaust Valve Seat				
	6	461424	STD Intake Valve Seat				
	6	461425	.030 Intake Valve Seat				
	6	461426	Exhaust Rocker Arm				
	6	461427	Intake Rocker Arm				
	12	461194	Rocker Arm Screw				
	1	461199	Rocker Arm Shaft				
	6	461145	Rocker Arm Locating Spring				
	1	561116	Cam Gear				
	1	561239	Crank Gear				
	1	561119	Idler Gear (2)				
	12	561241	Push Rod (14.062" OAL)				
	1	661177	Oil Pump (26 Tooth)				
	12	661179	Piston Cooling Oil Jet				
	1	761116	New Crankshaft (.010 Undersize)				
	1	761125	Plug, Oil Galley (.824" OD)				
	1	761123	Plug, Rear Cam Cover				
	2	861135	Thermostat				
	1	861198	Single 1500W Block Heater Kit (1.500" Dia.Core Hole)				

(2)Use 561125 For Bushing Only

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