

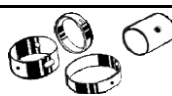
FORD



ENGINE: 474 CI / 7.8L (89-UP)
678HT / 678HTA (M121 / M321 / M421)

BORE: 4.401"	6 Cyl	Diesel	NOTES: 1.750" Pin, Mexican Hat Bowl, Tapered Rod
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APPLICATION: Combines: New Holland TR86 After 533010; TR87 Thru 556480; TR96 After 533273; TR97 Thru 555852;
Combines: New Holland TX36 After 8606999;
Trucks: Ford 89-91 270 HP Engine w/Round Oil Cooler w/Engine Mfr Date Thru 9/30/90

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
								
	6	161596	STD Piston Assembly					
	6	161597	.020 Piston Assembly					
	6	161598	.030 Piston Assembly					
	6	161599	.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	161621	Liner (Semi-Finished Bore / 4.653" OD x 8.500" 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)					
	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					
	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	"Head Gasket Only - 361332"				
	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					
	1	361334	Pan Gasket					
	1	361335	Full Gasket Set w/Seals					
	1	361336	Front Crank Seal					
	1	361188	Crank Spacer, Early Engine (2.043" x 2.625" x .930") (1)					
	1	361337	Crank Spacer, Late Engine (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-B

4/1/2004

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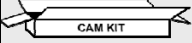
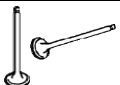
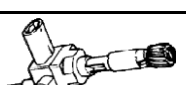
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BORE: 4.401" 6 Cyl Diesel NOTES: 1.750" Pin, Mexican Hat Bowl, Tapered Rod

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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, Early					
	1	561136	Cam Gear, Late					
	1	561239	Crank Gear, Early					
	1	561139	Crank Gear, Late					
	1	561119	Idler Gear, Early (2)					
	1	561138	Idler Gear, Late (2)					
	12	561241	Push Rod (14.062" OAL)					
	1	661177	Oil Pump, Early (26 Tooth)					
	1	661178	Oil Pump, Late (29 Tooth / 10 Degree)					
	12	661179	Piston Cooling Oil Jet, Early					
	12	661119	Piston Cooling Oil Jet, Late					
	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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