

PERKINS

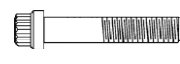


ENGINE: A4.212

After 212UA147671

BORE: 3.877" 4 Cyl Diesel Notes: Flanged Liners, 4 Ring Pistons, Has Balancer

APPLICATION: Crawlers: Landini TL20C (LA21912 After 212UA170105); Tractors: MF 165, 174 (Non-US);
Wheel Tractors: MF 3303, 3305;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974217	In-Frame Kit				I
	1	975217	Out-of-Frame Kit			O	
	1	976217	Major Kit		M		
	1	977217	Premium Kit (Valve Train Kit With Guides Included)	P			
	4	171165	Sleeve & Piston Assembly (4 Ring / Flanged w/Fire Dam)	P	M	O	I
	4	171196	Piston Assembly (4 Ring)				
	4	171128	STD Cylinder Liner (Finished / Fire Dam / 4.063" OD) (1)				
	4	171214	STD Cylinder Liner (Semi-Finished / Fire Dam / 4.065" OD)				
	4	171131	Service Liner (Finished / No Fire Dam / 4.103" OD) (2)				
	4	171361	Service Liner (Semi-Finished / No Fire Dam / 4.105" OD) (3)				
	4	171468	005 Liner Shim (Fits Service Liners Without Fire Dam)				
	4	171264	Piston Ring Set (3-3/32 1-1/4)				
	4	271151	STD Rod Bearing	P	M	O	I
	4	271152	.010 Rod Bearing				
	4	271153	.020 Rod Bearing				
	4	271154	.030 Rod Bearing				
	4	271155	.040 Rod Bearing				
	4	271156	.050 Rod Bearing				
	4	271157	.060 Rod Bearing				
	1	271161	STD Main Bearing Set, wo/Thrust Washers	P	M	O	I
	1	271162	.010 Main Bearing Set, wo/Thrust Washers				
	1	271163	.020 Main Bearing Set, wo/Thrust Washers				
	1	271164	.030 Main Bearing Set, wo/Thrust Washers				
	1	271165	.040 Main Bearing Set, wo/Thrust Washers				
	1	271166	.050 Main Bearing Set, wo/Thrust Washers				
	1	271167	.060 Main Bearing Set, wo/Thrust Washers				
	1	271119	STD Thrust Washer Set	P	M	O	I
	1	271125	.007 Thrust Washer Set ".010 Th Washer Set - 271126"				
	1	371115	Head Gasket Set "Head Gasket - 371116"	P	M	O	I
	1	371117	Valve Cover Gasket				
	8	371143	Valve Seal				
	4	371239	Nozzle Dust Seal "Not In Gasket Sets Or Kits"				
	1	371292	Lower Gasket Set wo/Seals "Timing Cover Gkt - 371149"	P	M	O	
	1	371235	Fuel Line Seal Kit (23 Seals & Washers) "Not In Gkt Sets"	P	M	O	
	1	371167	Pan Gasket Set (Also Includes 6 Oil Flange Gaskets)				I
	1	371146	Front Crank Seal (Viton Lip Type) (4)	P	M	O	
	1	371161	Rear Crank Seal Kit, Thru 212UA187116 (Rope Type) (5)	P	M	O	
	1	371186	Rear Seal & Housing Kit, Thru 212UA187116 (Rope Type) (5)				
	1	371145	Rear Crank Seal, After 212UA187116 (Viton Lip Type) (6)	P	M	O	
	4	271176	Pin Bushing (1.375" Pin)	P	M		
	1	271127	Cam Bearing (Finished ID)	P	M		
	8	771151	Connecting Rod Bolt	P	M		
	8	771148	Connecting Rod Nut	P	M		
	1	771282	Head Bolt/Stud & Nut Kit, Thru U874811J				
	1	771292	Head Bolt Kit, After U874811J				

(1)OS Finished Liner: .010 - 171194 / .040 - 171359 (2)OS Finished Liner: .010 - 171362 (3)OS Semi-Finished Liner: .020 - 171363

(4)Wear Sleeve - 301115 (5)Rope Seal Housing Gasket - 371288 (6)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143

PK-212-E

6/27/2007

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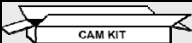
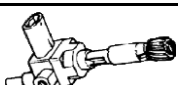


ENGINE: A4.212

After 212UA147671

BORE: 3.877"	4 Cyl	Diesel	Notes: Flanged Liners, 4 Ring Pistons, Has Balancer
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APPLICATION: Crawlers: Landini TL20C (LA21912 After 212UA170105); Tractors: MF 165, 174 (Non-US);
Wheel Tractors: MF 3303, 3305;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979516	Camshaft Kit					C
	1	979136	Valve Train Kit					V
	1	571122	Camshaft "Cam Bolt Lock Plate - 571162"					C
	1	271249	Camshaft Thrust Washer (1.750 X 2.873 X .217) (7)					
	8	571123	Tappet					C
	4	471114	STD Exhaust Valve (8)				V	
	4	471119	STD Intake Valve (9)				V	
	4	471132	Exhaust Guide: Service Repair				V	
	4	471131	Intake Guide: Service Repair				V	
	8	471134	Outer Valve Spring (8 Coils / 2.500" Free Length)				V	
	8	471133	Inner Valve Spring (9 Coils / 2.000" Free Length)				V	
	8	471219	Spring Seat, Integral Guides "With Service Guides - 471229"				V	
	8	471222	Spring Retainer					
	16	471146	Keeper (Half)				V	
	4	471111	Exhaust Seat (1.248 x 1.681 x .374 Stepped Top)					
	4	471224	LH Rocker Arm (Adjusting Screw & Lock Nut Not Included)					
	4	471225	RH Rocker Arm (Adjusting Screw & Lock Nut Not Included)					
	8	471226	Adjusting Screw (10)					
	1	471227	Rocker Arm Shaft (11) "Includes 471176 Plugs"					
	1	571112	Cam Gear (56 Teeth)					
	1	571113	Crank Gear (28 Teeth)					
	1	571111	Idler Gear (63 Teeth) "Includes 2-571144 Bushings"					
	1	571145	Idler Gear Hub					
	8	571117	Push Rod					
	1	671142	Oil Pump Kit (Gears,Shaft,Plate,Valve,Spring,Cap,Gkts) (12)					
	1	671143	Oil Pump Body (Cast Gear Housing / LH Oil Filter)					
	1	671146	Oil Pump Inlet Strainer					
	1	771281	Crank Kit, Thru 212UA187116 (Spline Nose / Rope Seal)					
	1	771134	Crank Kit, After 212UA187116 (Spline Nose / Lip Seal)					
	4	771154	Connecting Rod (1.375" Pin)					
	1	771264	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771159	Rear Block Bridge Piece					
	1	771286	Expansion Plug Kit (Includes 19 Plugs For Head & Block)					
	1	771164	Balancer Assembly (Engines With LH Oil Filter)					
	1	771288	Balancer Kit, Thru 212UA188069L (Shafts, Gears, Plate) (13)					
	1	771287	Balancer Kit, ESN 212UA188070L - 212UA215433L (14)					
	1	771165	Balancer Kit, After 212UA215433L (Shafts, Gears, Brgs) (15)					
	2	771197	Balancer Gear, After 212UA188069L (3 Bolt / 1.375 ID / 30T)					
	1	871162	Thermostat (2.125")					
	1	871147	Water Pump w/Pulley					
	1	871182	Manifold Heater Plug (Blade Terminal) "Screw Type-871174"					
	1	871226	Fuel Pump, Late (4 Bolt)					

(7).026" OS - 271239 (1.750 X 2.873 X .243 Recessed Face)

(8)Oversizes: .003 - 471264 / .015 - 471265 / .030 - 471264

(9)Oversizes: .003 - 471267 / .015 - 471268 / .030 - 471269

(10)Lock Nut - 571139

(11)Rocker Arm Shaft Snap Ring - 471228

(12)Supply 771166 Thru ESN 212UA188069L (13)Frame w/Bushings (14)Frame w/Needle Brgs (15)Frame w/Grooved Roller Brgs

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