

PERKINS



ENGINE: 1004-40T Thru U284277J
TN4.401 Thru U284277J

BORE: 3.938"	4 Cyl	Diesel	Notes: Turbo, Belt Driven Pump, Fastram Piston, Balancer, Notched Rods, 45° Valves
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APPLICATION: Tractors: Case-IH C100, CX100 (AQ50636, AQ50714, AQ50715); MX100C (AQ50705);
Tractors: McCormick C100, CX100 (AQ50636, AQ50714, AQ50715); MC100 (AQ50705);
Wood Chippers: Vermeer (AQ70388);

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974431	In-Frame Kit				I
	1	975431	Out-of-Frame Kit		O		
	4	171374	Sleeve & Piston Assembly		O		I
	4	171376	Piston Assembly				
	4	171367	Cylinder Liner (Flange/Finished/Fire Dam/4.1035" OD) (1)				
	4	171366	Cylinder Liner (Flange/Semi-Finished/FD/4.1055" OD) (2)				
	4	171468	005 Liner Shim				
	4	171377	Piston Ring Set (1-3.5MM 1-2.5MM 1-3.5MM)				
	4	271261	STD Rod Bearing (Locating Tangs For Notched Rods)		O		I
	4	271262	.010 Rod Bearing (Locating Tangs For Notched Rods)				
	4	271263	.020 Rod Bearing (Locating Tangs For Notched Rods)				
	4	271264	.030 Rod Bearing (Locating Tangs For Notched Rods)				
	1	271161	STD Main Set, wo/Thrust Washers		O		I
	1	271162	.010 Main Set, wo/Thrust Washers				
	1	271163	.020 Main Set, wo/Thrust Washers				
	1	271164	.030 Main Set, wo/Thrust Washers "Additional Sizes (5)"				
	1	271119	STD Thrust Washer Set (Offset Lug)		O		I
	1	271125	.007 Thrust Washer Set (Offset Lug)				
	1	271126	.010 Thrust Washer Set (Offset Lug)				
	1	371344	Head Gasket Set		O		I
	1	371155	Head Gasket				
	1	371222	Valve Cover Gasket				
	4	371191	Exhaust Valve Seal (Brown)				
	4	371188	Intake Valve Seal (Green)				
	1	371214	Lower Gasket Set wo/Seals		O		
	1	371149	Timing Cover Gasket				
	1	371167	Pan Gasket Set (Cast Pan / Incls 6 Flange Gkts)				I
	1	371282	Pan Gasket (Steel Pan)		O		I
	1	371146	Front Crank Seal (Viton Lip Type) (7)		O		
	1	371145	Rear Crank Seal, Thru U176356H (Viton Lip Type) (8)		O		
	1	371297	Rear Crank Seal & Housing, After U176356H (9)		O		
	4	271198	Pin Bushing (Straight / 1.563" Pin) (10)				
	4	271289	Pin Bushing (Tapered / 1.563" Pin) (11)				
	1	271127	Cam Bearing (Finished ID)				
	8	771151	Connecting Rod Bolt (Serrated Split)				
	8	771148	Connecting Rod Nut (Serrated Split)				
	8	771368	Rod Capscrew (Doweled Flat Butt Split/1/2 x 2.766 Hex Hd)				
	8	771323	Rod Capscrew (Fractured Split / 7/16 x 2.580 12 Pt Head)				
	1	771319	Head Bolt Kit (22 Bolts)				

(1).010 OS Finished Liner - 171368 (2).020 OS Semi-Finished Liner - 171511 (5).040 - 271165 / .050 - 271166 / .060 - 271167
(7)Wear Sleeve - 301115 (8)Lip Seal Housing Gasket - 371187 / Wear Sleeve - 301143 (9)Wear Sleeve - 371366
(10)Used When Taper Press Tooling Is Not Available (Machine Taper After Boring To Size) (11)Used With Proper Taper Press Tooling

PK-243-11

7/8/2009

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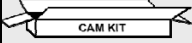
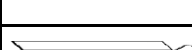
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	979524	Camshaft Kit					C
	1	979154	Valve Train Kit (45° Valves)				V	
	1	571215	Camshaft					C
	1	271249	Thrust Washer					
	8	571123	Tappet					C
	4	471158	Exhaust Valve (45° / 41.0MM Hd Dia)				V	
	4	471278	Intake Valve (45° / 43.0MM Hd Dia)				V	
	4	471279	Exhaust Guide				V	
	4	471237	Intake Guide				V	
	8	471161	Valve Spring (1.860" Free Length)				V	
	16	471241	Keeper (Half)				V	
	4	471298	Exhaust Seat (1.717" OD)					
	4	471299	Intake Seat (1.796" OD)					
	4	471283	LH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	4	471284	RH Rocker Arm (Adj Screw & Lock Nut Not Included) (12)					
	1	471296	Rocker Arm Shaft (13) "Includes 471176 Plugs"					
	1	571171	Cam Gear (Steel / 56 Teeth)					
	1	571113	Crank Gear (28 Teeth / 1.375" Wide)					
	1	571163	Idle Gear (Steel / 63 Teeth) (14)					
	8	571117	Push Rod					
	1	671122	Oil Pump					
	1	771296	Balancer/Pump Drive Kit (Gear/Shaft Asb, Drv Gear, 2-Brgs)					
	4	671157	Piston Cooling Jet					
	4	671158	Piston Cooling Check Valve					
	1	671175	Oil Cooler: Except AQ70388					
	1	671181	Oil Cooler: AQ70388					
	1	771181	Crank Kit (Spline / Lip)					
	1	771361	Crankshaft Front Plate & Screws					
	4	771351	Conn Rod (6.5211-6.5224 / Grade H / White Mark)					
	4	771352	Conn Rod (6.5193-6.5206 / Grade J / Green Mark)					
	4	771353	Conn Rod (6.5175-6.5188 / Grade K / Purple Mark)					
	4	771354	Conn Rod (6.5157-6.5170 / Grade L / Blue Mark)					
	1	771367	Cylinder Head Assembly (Includes Valves & Springs)					
	1	771365	Expansion Plug Kit (17 Head & Block Plugs)					
	1	771299	Balancer Assembly, Engines w/LH Oil Filter (Incls Oil Pump)					
	1	771318	Balancer Idler Gear "Needle Bearing Assembly - 771298"					
	4	771171	Balancer Weight Bushings					
	2	871138	Thermostat (2.125" / Bypass) "AQ70388 Uses Only 1"					
	1	871271	Bypass Hose: Except AQ70388 "AQ70388 Uses 871262"					
	1	871269	Water Pump wo/Pulley: Except Below					
	1	871268	Water Pump wo/Pulley: AQ50636					
	1	871173	Water Pump wo/Pulley: AQ70388					
	1	871255	Fuel Pump					

(12)Adjusting Screw-471226 / Lock Nut-571139 / Bushing-471297

(13)Shaft Snap Ring - 471228

(14)Incl 2 Bushings - 571144

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