

PERKINS



ENGINE: 1004-42 After U284277J
4.421 After U284277J

BORE: 4.056"	4 Cyl	Diesel	Notes: NA, Gear Drive Water Pump, Balancer, Fractured Rods Without Tang Notch
APPLICATION: Tractors: MF 4233, 4235, 4335 (AR31434, AR31435); Industrial Engines: 1004-42 (AR70498);			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	974436	In-Frame Kit				I
	1	975436	Out-of-Frame Kit		O		
	4	171398	STD Piston Assembly		O		I
	4	171422	0.50 MM Piston Assembly				
	4	171513	1.00 MM Piston Assembly				
	4	171399	STD Piston Ring Set (2-2.5MM 1-3.5MM)		O		I
	4	171423	0.50 MM Piston Ring Set (2-2.5MM 1-3.5MM)				
	4	171514	1.00 MM Piston Ring Set (2-2.5MM 1-3.5MM)				
	4	271285	STD Rod Bearing (No Locating Tangs)		O		I
	4	271286	.010 Rod Bearing (No Locating Tangs)				
	4	271287	.020 Rod Bearing (No Locating Tangs)				
	4	271288	.030 Rod Bearing (No Locating Tangs)				
	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	371343	Head Gasket Set "Includes 371368 Head Gasket"		O		I
	1	371222	Valve Cover Gasket				
	4	371191	Exhaust Valve Seal (Brown)				
	4	371189	Intake Valve Seal (Green)				
	1	371385	Lower Gasket Set wo/Seals		O		
	1	371167	Pan Gasket Set: Except Below (Cast Pan/Incls 6 Flg Gkts)				I
	1	371282	Pan Gasket: AR70498 (Steel Pan)				I
	1	371146	Front Crank Seal (Viton Lip Type) (7)		O		
	1	371297	Rear Crank Seal & Housing (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)				
	4	771331	Conn Rod (6.5247-6.5260 / Grade F / Red Mark)				
	4	771332	Conn Rod (6.5229-6.5242 / Grade G / Orange Mark)				
	4	771333	Conn Rod (6.5211-6.5224 / Grade H / White Mark)				
	4	771334	Conn Rod (6.5193-6.5206 / Grade J / Green Mark)				
	4	771335	Conn Rod (6.5175-6.5188 / Grade K / Purple Mark)				
	4	771336	Conn Rod (6.5157-6.5170 / Grade L / Blue Mark)				
	8	771323	Conn Rod Capscrew (7/16 x 2.580 12Pt)				
	1	771373	Head Bolt Kit (22 Bolts)				

(5)Other Sizes Available: .040 - 271165 / .050 - 271166 / .060 - 271167 (7)Wear Sleeve - 301115 (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-258-D

7/17/2009

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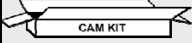
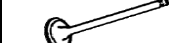
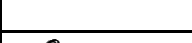
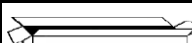
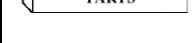
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	979525	Camshaft Kit				C
	1	979155	Valve Train Kit			V	
	1	571216	Camshaft				C
	1	271249	Thrust Washer				
	8	571123	Tappet				C
	4	471159	Exhaust Valve (45° / 42.0MM Hd Dia)			V	
	4	471312	Intake Valve (45° / 45.0MM Hd Dia)			V	
	4	471279	Exhaust Guide			V	
	4	471237	Intake Guide			V	
	8	471162	Valve Spring (1.720" Free Length)			V	
	16	471241	Keeper (Half)			V	
	4	471313	Exhaust Seat (1.737" OD)				
	4	471314	Intake Seat (1.895" OD)				
	4	471286	LH Rocker Arm (Screw & Nut Not Included) (12)				
	4	471287	RH Rocker Arm (Screw & Nut Not Included) (12)				
	1	471311	Rocker Arm Shaft (13) "Includes 471176 Plugs"				
	1	571171	Cam Gear (Steel / 56 Teeth)				
	1	571217	Crank Gear: Except Below (28 Teeth)				
	1	571131	Crank Gear: AR70498 (28 Teeth)				
	1	571186	Idle Gear: Except Below (Steel / 63T) (14)				
	1	571163	Idle Gear: AR70498 (Steel / 63T) (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	671149	Oil Cooler: Except Below				
	1	671175	Oil Cooler: AR70498				
	1	771316	Crank Kit (Spline / Lip)				
	1	771374	Cylinder Head Assembly (Includes Valves & Springs)				
	1	771372	Expansion Plug Kit (16 Head & Block Plugs)				
	1	771168	Balancer Assembly, Engines w/LH Oil Filter (Incls Oil Pump)				
	1	771318	Balancer Idler Gear "Needle Bearing Assembly - 771298"				
	4	771171	Balancer Weight Bushings				
	1	871263	Thermostat				
	1	871272	Bypass Hose Kit				
	1	871224	Water Pump				
	1	871249	Manifold Heater Plug (Screw Terminal)				
	1	871255	Fuel Pump				

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

(13)Shaft Snap Ring - 471228

(14)Incl 2 Bushings - 571144

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