

DAVID BROWN



ENGINE: AD4/55

BORE: 100 MM	4 Cyl	Diesel	NOTES: 2.376" Piston Compression Distance
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APPLICATION: Backhoe Loaders: 580G;
Tractors: 1290 Case w/Continuous Clutch After # 11052409;
Tractors: 1290 Case w/Independent Clutch After # 11052359; 1294, 1390 Case;

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	924232	STD In-Frame Kit					I
	1	924233	.020 In-Frame Kit					I
	1	924234	.040 In-Frame Kit				I	
	1	925232	STD Out-of-Frame Kit		O			
	1	925233	.020 Out-of-Frame Kit			O		
	1	925234	.040 Out-of-Frame Kit		O			
	4	121319	STD Piston Kit (Includes Rings)			O		I
	4	121321	.020 Piston Kit (Includes Rings)			O		I
	4	121322	.030 Piston Kit (Includes Rings)					
	4	121323	.040 Piston Kit (Includes Rings)		O		I	
	4	121324	Cylinder Liner (105 MM OD / Unfinished ID)					
	4	121325	STD Piston Ring Set					
	4	121326	.020 Piston Ring Set					
	4	121327	.030 Piston Ring Set					
	4	121328	.040 Piston Ring Set					
	4	221251	STD Rod Bearing		O	O	O	I
	4	221252	.010 Rod Bearing					
	4	221253	.020 Rod Bearing					
	4	221254	.030 Rod Bearing					
	4	221255	.040 Rod Bearing					
	1	221256	STD Main Bearing Set, wo/Thrust Washers		O	O	O	I
	1	221257	.010 Main Bearing Set, wo/Thrust Washers					
	1	221258	.020 Main Bearing Set, wo/Thrust Washers					
	1	221259	.030 Main Bearing Set, wo/Thrust Washers					
	1	221261	.040 Main Bearing Set, wo/Thrust Washers					
	1	221248	STD Thrust Washer Set		O	O	O	I
	1	221262	.005 Thrust Washer Set					
	1	221263	.020 Thrust Washer Set					
	1	321338	Head Gasket Set		O	O	O	I
	1	321326	Head Gasket					
	1	321327	Valve Cover Gasket					
	1	321328	Lower Gasket Set w/Seals		O	O	O	
	2	321332	Tappet Cover Gasket					
	1	321121	Block to Main Frame Gasket Kit					
	1	321331	Sump Pan Gasket				I	I
	1	321333	Front Crank Seal					
	1	321334	Front Crank Felt					
	1	301123	Front Wear Sleeve					
	1	321335	Rear Crank Seal Kit (Seals & Retainer Gaskets)					
	4	221264	Pin Bushing					
	8	721172	Rod Bolt					
	8	721173	Rod Nut					
	6	721184	Main Bearing Cap Lock Tab					
	1	721174	Head Bolt & Stud Kit(Includes Bolts, Studs, Nuts, Washers)					

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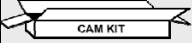
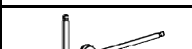
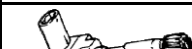
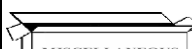
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	929518	Camshaft Kit					C
	1	929143	Valve Train Kit				V	
	1	521177	Camshaft					C
	1	521179	Thrust Plate					
	8	521178	Tappet					C
	8	421248	STD Exhaust & Intake Valve (1.500" Hd Dia)				V	
	8	421249	.010 Exhaust & Intake Valve (1.500" Hd Dia)				V	
	8	421251	.020 Exhaust & Intake Valve (1.500" Hd Dia)					
	4	421252	Exhaust Valve Spring				V	
	4	421253	Intake Valve Spring				V	
	4	421254	Exhaust Valve Collar (Inner)					
	4	421255	Exhaust Valve Retainer (Outer)					
	4	421256	Intake Valve Retainer					
	16	421257	Valve Keeper (Half)				V	
	4	421258	Exhaust Valve Seat					
	4	421259	Intake Valve Seat					
	4	421261	LH Rocker Arm					
	4	421262	RH Rocker Arm					
	8	421263	Rocker Arm Bushing					
	1	421264	Rocker Arm Shaft					
	1	521181	Cam Gear (68 Teeth)					
	1	521182	Crank Gear (34 Teeth)					
	1	521183	Idler Gear (47 Teeth)					
	1	521184	Idler Gear Bushing					
	2	521198	.003 Idler Gear Bracket Shim (1)					
	1	521188	Injection Pump Drive Gear (68 Teeth)					
	1	521187	Power Steering Pump Drive Gear (28 Teeth)					
	8	521186	Push Rod					
	1	621152	New Oil Pump					
	1	621153	Oil Pump Housing					
	1	621154	Oil Pump Drive Shaft					
	1	621155	Oil Pump Gear Set (Drive Gear Has Internal Spline)					
	1	621149	Oil Pump Screen					
	1	721165	Crankshaft					
	5	721125	Block Plug (1.750" Cup)					
	1	741118	Head Plug (1.250" Cup), Use 721133 For 1" Welch Plug					
	1	821165	Thermostat					
	1	821166	New Water Pump: 1290; 1294 wo/AC; 1390;					
	1	821167	New Water Pump: 1294 w/AC					
	1	821161	Block Heater (1.750" Cup Style Block)					
	1	821162	Fuel Transfer Pump					
	1	821168	Fuel Transfer Pump Push Rod					
	1	821163	Glow Plug (Manifold Preheater)					

(1) For .010 Shim Use 521199 or .020 Shim Use 521211

DB-219-E

4/1/2004

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