

ALLIS - CHALMERS




ENGINE: D2900 / 649T / 649I

BORE: 3.875"	6 Cyl	Diesel	NOTES: Turbocharged or Intercooled, Slotted Mains, Piston Cooled
APPLICATION: Combines: L2, L3, M2, M3, MH2, MH3; Tractors: 7010, 7020, 8010; Wheel Loaders: 545B, 605B; Misc Equipment: <i>Champion Road Grader; Logan Snow Groomer; Prentice Log Loader; Franklin Log Skidder;</i>			

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QTY		ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT	
					
1	914131	In-Frame Kit (16.3:1 Hi-Compression Upgrade)			I
1	915131	Out-of-Frame Kit (16.3:1 Hi-Compression Upgrade)		O	
6	111137	Sleeve & Piston Assembly (STD Compression)			
6	111229	Sleeve & Piston Assembly (16.3:1 Hi-Compression)		O	I
6	111138	Piston Kit, w/Rings (STD Compression)			
6	111231	Piston Assembly (16.3:1 Hi-Compression)			
6	111128	Cylinder Liner (Includes O-Rings)			
6	111129	Cylinder Liner O-Ring Package			
1	111131	Cylinder Liner Shim (.005") (1)			
1	111135	Block Repair Sleeve, Lower Liner Pilot Bore			
6	111136	Piston Ring Set (3-3/32 1-3/16)			
6	211134	STD Rod Bearing		O	I
6	211135	.010 Rod Bearing			
6	211136	.020 Rod Bearing			
6	211137	.030 Rod Bearing			
6	211138	.040 Rod Bearing			
1	211146	STD Main Bearing Set (Slotted)		O	I
1	211147	.010 Main Bearing Set (Slotted)			
1	211148	.020 Main Bearing Set (Slotted)			
1	211149	.030 Main Bearing Set (Slotted)			
1	311182	Head Gasket Set (Nozzle Gaskets Not Included)			I
1	311183	Head Gasket			
1	311184	Valve Cover Gasket			
3	311185	Exhaust Manifold Gasket			
1	311186	Lower Gasket Set w/Seals			
1	311187	Block Gasket Set			
1	311198	Timing Cover Gasket: Tractors & Combines			
1	311197	Timing Gear Inspection Cover Gasket			
1	311188	Oil Pan Gasket Set (Incls Crank Driven Oil Pump Gaskets)			I
1	311189	Oil Pan Gasket			
1	311191	Full Gasket Set w/Seals (Nozzle Gaskets Not Included)		O	
6	811139	Nozzle Seal Kit, MKII w/Bosch (Dust Seal & Washers) (2)			
6	311199	Nozzle Dust Seal, MKII w/Allis-Chalmers Nozzles (2)			
1	311192	Front Crank Seal			
1	311193	Rear Crank Seal Kit (Single Lip)			
1	311194	Rear Crank Seal (Single Lip)			
1	311195	Rear Wear Sleeve			
6	211144	Pin Bushing			
1	211145	Cam Bearing Set			
12	711127	Rod Bolt			
1	711129	Head Bolt Kit wo/Washers			

(1)For .010 Shim Use 111132; For .015 Use 111133; For .020 Use 111134 (2)Nozzle Gkt Not Used w/Copper Sleeve On MKII Engines

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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
	1	919512	Camshaft Kit				C
	1	919111	Valve Train Kit (30 Degree Exhaust)			V	
	1	511134	Camshaft				C
	1	511113	Cam Thrust Plate (2 Bolt)				
	1	511114	Cam Key (1/2 Woodruff Key)				
	1	511115	Cam Gear Bolt (7/16 NC x 4" Grade 8)				
	1	511116	Cam Gear Washer				
	12	511117	Tappet				C
	6	411127	Exhaust Valve (30 Deg)			V	
	6	411128	Intake Valve			V	
	12	411113	Valve Guide			V	
	12	411114	Valve Spring			V	
	24	411116	Valve Keeper (Half)			V	
	12	411117	Valve Spring Retainer			V	
	6	411129	Exhaust Valve Seat (30 Degree)				
	6	411131	Intake Valve Seat				
	12	411121	Rocker Arm				
	12	411122	Rocker Arm Adjusting Screw				
	1	411132	Rocker Arm Shaft				
	1	511133	Cam Gear				
	1	511137	Crank Gear (1.445" Wide)				
	1	511141	Idler Gear (4)				
	1	511111	Idler Gear Bearing				
	1	511152	Inj Pump Drive Gear (4)				
	1	511146	Oil Pump Drive Gear				
	12	511149	Push Rod				
	1	611123	New Oil Pump (3)				
	1	611127	Oil Pump Kit (0.887" Gears, Shafts, Gkts, Spring, Bushings)				
	1	611129	Oil Cooler (4)				
	1	711113	Crankshaft				
	1	711132	Dampener Pulley Assembly: 7010, 7020, 8010 Tractors				
	1	711133	Dampener Pulley Assembly: Combines w/649I Eng (4 Grv)				
	2	711126	Plug, Block (1.375")				
	1	711131	Plug, Block (1.750")				
	1	711123	Valve Cover Fastener Improvement Kit(Shouldered Bolt Type)				
	6	811137	Nozzle Sleeve				
	12	811138	Nozzle Sleeve O-Ring				
	1	811144	Intercooler Core: 649I Engines				
	2	811125	Thermostat				
	1	811142	Bypass Hose: Engines w/Dual Thermostats				
	1	811143	New Water Pump: All Tractors; Combines w/649I Engine (5)				
	1	811128	Water Pump Kit: All Tractors; Combines w/649I Engine				
	1	811136	Block Heater				

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(3)For Rebuilt Use 611124 (4)Tractors Thru ESN 49K21507; Combines Thru ESN 49K21256 (5)Combines Except 649I Use 811163