

# ALLIS - CHALMERS



ENGINE: W226

BORE: 4.000"	4 Cyl	Gas / LP	NOTES: Front Main Thrust, Replacing Pistons In Complete Sets Is Recommended
APPLICATION: Combines: Super 100; Graders: D # 3370-5424; Power Units: W226; Tractors: WD45; Wheel Loaders: TL10 # 638-1800; TL11 Thru # 73; TL12 Thru # 1281;			

			QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	914135	In-Frame Kit, 4.000" Bore (7.25:1 CR)						I	
	1	914152	In-Frame Kit, 4.125" Overbore (7.25:1 CR)						I	
	1	915135	Out-of-Frame Kit, 4.000" Bore (7.25:1 CR)			O				
	1	915152	Out-of-Frame Kit, 4.125" Overbore (7.25:1 CR)			O				
<p>4.000" STD Bore</p>	4	111144	Sleeve & Piston Assembly, 4.000" Bore (7.25:1 CR)			O			I	
	4	111145	Piston Assembly, 4.000" Bore (7.25:1 CR)							
	4	111148	Sleeve & Piston Assembly, 4.000" Bore (8.25:1 CR)							
	4	111149	Piston Assembly, 4.000" Bore (8.25:1 CR)							
	4	111146	Cylinder Liner, 4.000" Bore (Includes O-Rings)							
	4	111147	Cylinder Liner O-Ring Package, 4.000" Bore							
	4	111154	Piston Ring Set, 4.000" Bore (3-1/8 1-3/16)							
<p>4.125" Overbore</p>	4	111151	Sleeve & Piston Assembly, 4.125" Bore (7.25:1 CR)			O			I	
	4	111152	Piston Assembly, 4.125" Bore (7.25:1 CR)							
	4	111153	Cylinder Liner, 4.125" Bore (Includes O-Rings)							
	4	101111	Liner O-Ring Pkg (.122") "For Small Dia Use 101125" (.091")							
	4	101112	Piston Ring Set, 4.125" Overbore (1-3/32 2-1/8 1-3/16)							
	4	101113	Piston Ring Set, 4.125" Overbore (2-3/32 1-1/8 1-1/4)							
	4	101114	Piston Ring Set, 4.125" Overbore (3-3/32 1-1/4)							
	4	211165	STD Rod Bearing			O	O		I	I
	4	211166	.001 Rod Bearing							
	4	211167	.002 Rod Bearing							
	4	211168	.005 Rod Bearing							
	4	211169	.010 Rod Bearing							
	4	211171	.020 Rod Bearing							
	4	211172	.030 Rod Bearing							
	4	211173	.040 Rod Bearing							
	1	211191	Rod Cap Shim Kit							
		1	211184	STD Main Bearing Set			O	O		I
1		211185	.0025 Main Bearing Set							
1		211186	.010 Main Bearing Set							
1		211187	.020 Main Bearing Set							
1		211188	.030 Main Bearing Set							
1		211189	.040 Main Bearing Set							
1		211192	Main Cap Shim Kit							
	1	311228	Head Gasket Set (1)						I	I
	1	311231	Valve Cover Gasket							
	1	311233	Manifold Gasket Set							
	1	311241	Full Gasket Set w/Seals			O	O			
	1	311234	Timing Cover Gasket							
	1	311235	Pan Gasket Kit (Includes Pan & Main Cap Gkts + 6 Clips)						I	I
	1	311242	Front Crank Seal, After ESN 45-16649 (.530" Width) (2)							
	1	301133	Front Wear Sleeve							
	1	311243	Rear Crank Seal Kit (3)							
	1	211182	Cam Bearing Set							
	1	211183	Center Cam Bearing, Optional (2 Oil Holes)							
	8	711146	Rod Bolt "Use 711147 For Self Locking Rod Nuts"							
	1	711153	Head Bolt & Stud Kit (10-Capscrews, 5-Studs, 5-Nuts)							

CLICK THE ITEM # TO VIEW OR PURCHASE PART

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(1)For Head Gkt Only Use 311229 (2)For Seal Thru ESN 45-16649 Use 311244 (3)Use 311239 Sealer On Outside Diameter Of Seal

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		QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT	
	1	919113	Valve Train Kit (45 Degree Intake Valve)			V
	1	919313	Basic Valve Kit (45 Degree Intake Valve)			B
	1	511172	Cam, Thru ESN 45-48555 (11T Pump Drive / Bolt-On Gear)			
	1	511161	Cam, Aft ESN 45-48555 (14T Pump Drv/Press-On Gear) (4)			
	1	511166	Cam Thrust Plug			
	1	511162	Cam Thrust Screw "For Lock Nut Use 511163"			
	1	511164	Cam Key, After ESN 45-48555 (5/32" x 3/4")			
	8	511165	Tappet			
	4	411141	Exhaust Valve		B	V
	4	411159	Intake Valve (45 Deg)		B	V
	4	411143	Exhaust Valve Guide		B	V
	4	411144	Intake Valve Guide		B	V
	8	411145	Valve Spring		B	V
	4	411146	Exhaust Valve Rotator			V
	16	411147	Valve Keeper (Half)		B	V
	4	411148	Intake Valve Spring Retainer			
	8	411149	Valve Spring Seat			
	4	411151	Exhaust Valve Seat (1.312" x 1.578" x .375") (6)			
	4	411161	Intake Valve Seat (1.500" x 1.818" x .250")			
	4	411153	Exhaust Rocker Arm			
	4	411154	Intake Rocker Arm			
	8	411155	Rocker Arm Adjusting Screw			
	1	411156	Rocker Arm Shaft			
	2	411157	Rocker Arm Shaft Plug			
	4	411158	Rocker Arm Stand			
	1	511173	Cam Gear, Thru ESN 45-48555 (Bolt-On)			
	1	511167	Cam Gear, After ESN 45-48555 (Press-On)			
	1	511174	Crank Gear, Thru ESN 45-11049 (1.500" Bore)			
	1	511168	Crank Gear, After ESN 45-11049 (1.625" Bore)			
	8	511171	Push Rod			
	1	611133	New Conversion Oil Pump (9 Tooth Drive Gear) (5)			
	1	611132	Oil Pump Kit			
	1	611134	Oil Pump Drive Gear (10 Tooth)			
	1	611136	Oil Pump Drive Gear, w/Replacment Cam or Pump (9 Tooth)			
	1	711112	Crankshaft			
	1	711149	Plug, Cam (2 1/2" Flat)			
	2	711154	Plug, Internal Head			
	1	811153	Governor Shaft Asb, Battery Ign (Gear, Shaft, Weights, Brg)			
	1	811168	Gov Shaft Asb, Magneto Ign (Gear, Shaft, Weights, Brg)			
	1	811155	Governor Kit (Weights, Pins, Brg, Bushings, Gkt, Seal)			
	1	811157	Thermostat (180 Degree) "For 160 Degree Use 811156"			
	1	811166	Bypass Hose, After ESN 45-50788			
	1	811167	New Water Pump			

(4) Also Supply 611136 (9T Oil Pump Drive Gear) + 611137 (Pin) When Replacing Original 11Tooth Camshaft

(5) Must Change Oil Pump Drive Gear To Original 10T Gear (611134) If Using Original 11T Cam, Must Use With 611138 Floating Screen

(6) For 1/4" Deep - 411152