

ENGINE: F283DB

BORE: 3.875"	6 Cyl	Diesel	NOTES: Indirect (Lanova Injection), Flat Top Pistons, Natural Aspirated
APPLICATION: Tractors: 1650 Cockshutt Thru 187585; Tractors: 1650 Oliver Thru 187585;			

	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT			
							
	1	994115	In-Frame Kit			I	
	1	995115	Out-of-Frame Kit		O		
	6	191146	Sleeve & Piston Assembly		O	I	
	6	191147	Piston Assembly		O		
	6	191126	Cylinder Liner (Includes O-Rings)				
	6	191138	Cylinder Liner O-Ring Package				
	6	191128	Liner O-Ring Pkg, Optional Viton (4.282"O-R Bore Required)				
	1	191129	Cylinder Liner Shim, .002				
	1	191131	Cylinder Liner Shim, .004				
	1	191132	Cylinder Liner Shim, .007				
	1	191133	Cylinder Liner Shim, .015				
	1	191134	Block Repair Sleeve, Lower Liner Pilot Bore				
	6	191145	Piston Ring Set (3-3/32 1-3/16)				
	6	291149	STD Rod Bearing		O	I	
	6	291151	.002 Rod Bearing				
	6	291152	.003 Rod Bearing				
	6	291153	.010 Rod Bearing				
	6	291154	.020 Rod Bearing				
	6	291155	.030 Rod Bearing				
	6	291156	.040 Rod Bearing				
	1	291137	STD Main Bearing Set		O	I	
	1	291138	.002 Main Bearing Set				
	1	291139	.010 Main Bearing Set				
	1	291141	.010 Main Bearing Set (.017 Oversize Thrust Length)				
	1	291142	.020 Main Bearing Set				
	1	291143	.020 Main Bearing Set (.017 Oversize Thrust Length)				
	1	291144	.030 Main Bearing Set (.017 Oversize Thrust Length)				
	1	291145	.040 Main Bearing Set				
	1	291146	.040 Main Bearing Set (.017 Oversize Thrust Length)				
	1	391136	Head Gasket Set				
	1	391137	In-Frame Gasket Set			I	
	1	391138	Head Gasket				
	1	391139	Valve Cover Gasket				
	1	391141	Full Gkt Set w/Seals		O		
	1	391127	Lower Gasket Set (Includes Lip Seals Only)				
	1	391128	Pan Gasket				
	1	391142	Front Crank Seal (Face Type)				
	1	391143	Front Pulley Felt Seal				
	1	391131	Rear Crank Seal, wo/Wear Sleeve				
	1	391132	Rear Crank Seal Kit, Optional (Not in Gasket Sets)				
	6	291147	Pin Bushing (1 Piece Bushing Upgrade)				
	4	291148	Cam Bearing				
	12	791127	Rod Bolt				
	12	791128	Rod Nut				

CLICK THE ITEM # TO VIEW OR PURCHASE PART

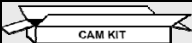
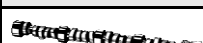
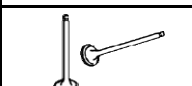
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	QTY	ITEM #	DESCRIPTION	LETTERED ITEMS INCLUDED IN KIT				
	1	999515	Cam Kit					C
	1	999117	Valve Train Kit				V	
	1	591135	Camshaft (3/16" Key)					C
	1	591124	Cam Key (3/16 X 1)					
	1	591126	Cam Thrust Spring					
	1	591127	Cam Thrust Button					
	12	591123	Tappet					C
	6	491142	Exhaust Valve				V	
	6	491143	Intake Valve				V	
	6	491144	Exhaust Valve Guide				V	
	6	491145	Intake Valve Guide				V	
	12	491146	Valve Spring				V	
	12	491148	Valve Rotator				V	
	24	491134	Valve Keeper (1 Land)				V	
	6	491151	Exhaust Valve Seat					
	6	491156	Intake Valve Seat					
	6	491153	LH Rocker Arm					
	6	491154	RH Rocker Arm					
	1	491157	Rocker Arm Shaft					
	4	491139	Rocker Arm Shaft Spring					
	1	591122	Cam Timing Gear (3/16" Key)					
	1	591128	Crank Timing Gear					
	1	591129	Idler Gear Assembly					
	1	591133	Idler Gear Thrust Spring					
	1	591131	Injection Pump Gear					
	12	591137	Push Rod					
	1	691115	Oil Pump Assembly					
	1	691116	Oil Pump Kit (3-Gears 2-Shafts 1-Plunger 1-Spring 1-Screw)					
	1	691117	Oil Pump Gear Set					
	1	691118	Oil Pump Bushing Set					
	1	691125	Oil Pump Pressure Spring, Early Pumps (Not Incl w/ Kit)					
	1	691124	Oil Pump Cover Gasket, Early Pumps (Not Incl w/Pump Kit)					
	1	791123	Plug, Block/Cam (2 1/8" Flat)					
	1	791124	Plug, Oil Galley (21/32" Cup)					
	6	891145	Energy Cell Body					
	6	891146	Energy Cell Cap					
	1	891144	Fuel Supply Pump					
	1	891139	Manifold Preheater					
	1	891141	Thermostat					
	1	891142	Coolant Heater					
	1	891143	Bypass Hose					