

DELIVERING QUALITY SINCE 1959

All ProFessional engines are remanufactured to meet or exceed OE specifications under ISO 9001:2000 certified manufacturing processes in our state of the art facility.



ProFessional engines are engineered to be superior to the OE Engine:

	Original Engine	ProFessional Engine	Benefit/Advantage
Bearings	Aluminum	Federal Mogul Aluminum bearing w/ patented thrust bearing that improves oiling to thrust flange to prevent premature thrust failures.	Ford engines have had history of thrust failures in the past and this bearing eliminates that potential resulting in longer life and dependability.
Crankshaft Journals	OE crankshaft journal surfaces typically are RA finish of 15 or higher	ProFessional crankshaft journal surfaces typically are RA finish of 12 or lower.	The superior rod and main bearing surface finish allow for better fit and closer tolerance levels and increased bearing life.
Rear Main Seal	Neporene style	Teflon seal	Teflon rear seals are the latest technology available for zero oil seepage at the rear of the engine.
Pistons	Hypereutectic coated	Hypereutectic Grafel coated w/ anodized piston head	Anodized piston heads increase durability and longevity and reduce emissions, thus rendering a longer piston life and engine that stays "green" through its life cycle.
Mating Surfaces Finish	Cylinder head and block OE sealing surfaces typically are a RMA Finish of 35 or higher	ProFessional cylinder head and block sealing surfaces are a RMA finish of 30 or lower.	The better RMA finish provides a better sealing contact surface for head gaskets and meets or exceeds the recommendations of Aftermarket Gasket Manufacturers
Castings	Original casting chemically aged	Aged highly cycled castings	Aged and cycled castings have greater rigidity that provides longer stability.
Valve Seat Angles	Two angle valve seats	3 angle valve seats	3 angle valve seats optimize sealing, maximize fuel mixture and flow and ensure carbon clear out.
Specification Tolerances	.001" tolerances between min and max tolerances of crankshafts, housing bores of connecting rods, main bearings and cylinder bores	.0005" between min and max tolerances	ProFessional has reduced the allowable tolerances by 1/2. An engine that is built to tighter tolerances is a superior product in wear, durability and dependability.

ProFessional Remanufactured Engines Feature:

- NEW Pistons
- NEW Piston Pins
- NEW Oil Pump or Kit
- NEW Valves*
- NEW Bushings*
- NEW Valve Guides
- NEW Cam Bearings
- NEW Lifters*
- NEW Piston Rings
- NEW Valve Seals
- NEW High-Quality Gasket Sets
- NEW Fel-Pro Teflon Rear Main Seals*
- NEW Rod Bearings
- NEW Main Bearings
- NEW Timing Gears
- NEW Timing Chains
- NEW Timing Belt**
- NEW Push Rods*
- NEW Freeze Plugs
- NEW Cam Shafts*

* On Most Engines
** Where Applicable