This "Premium Long Block" engine includes the block, crank, rods, bearings, pistons, rings, camshaft, cylinder heads, oil pump, pick up tube, timing cover and oil pan installed.

To address the most common failures of this engine, all Tri Star 5.4L 3V engines include:

- Updated high volume oil pump
- Cam bearings with tighter clearances to avoid VVT oil pressure problems
- VVT screens replaced 100%
- Timing cover and oil pan installed
- New OE cam gears (VVT actuators)
- Time-Serts® for damaged spark plug threads

Important installation warnings:
- The VVT cam gear (actuator) is included with this engine, but the electronic solenoids that control the VVT are not included. It is recommended to replace these with the updated version from Ford.
- Replace/inspect engine oil coolers and intake manifolds to avoid contamination of the new engine.

Tri Star Engines are proudly re-manufactured in Wisconsin.

Tri Star uses only the highest quality brand names to provide the most dependable engines!