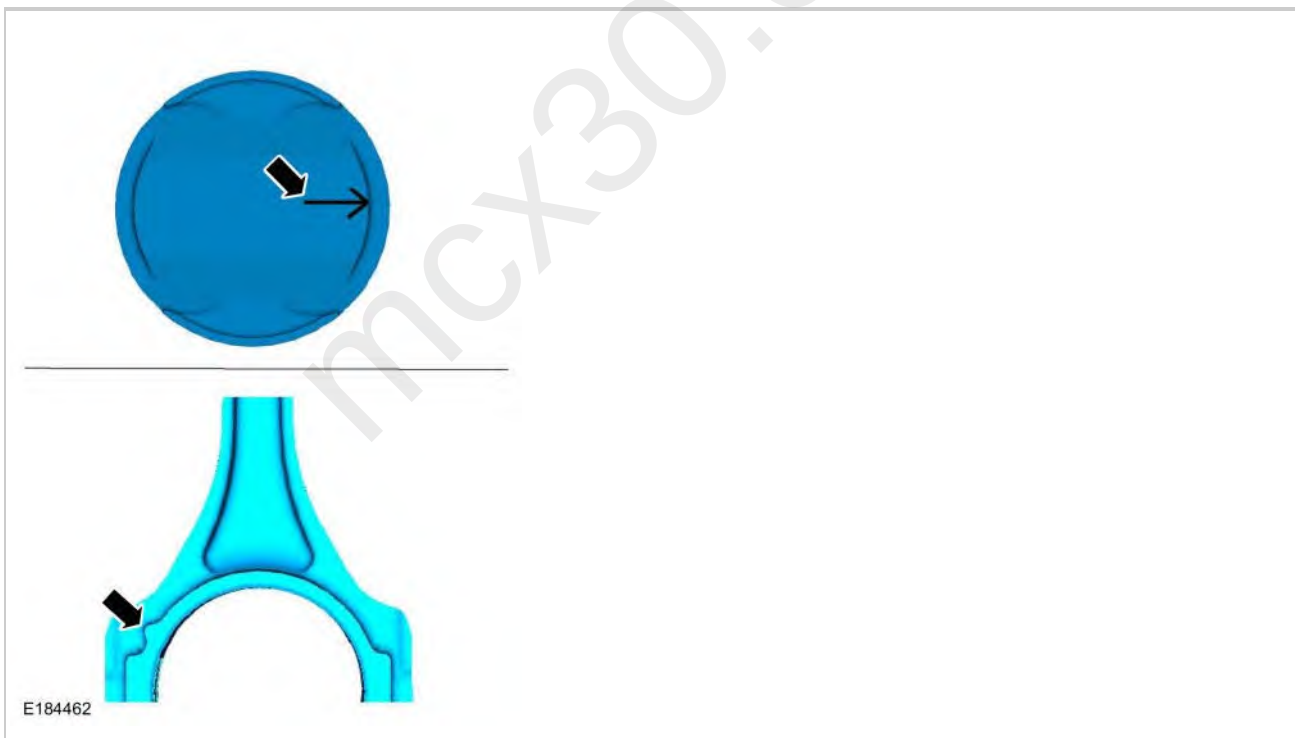




DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES > PISTON > ASSEMBLY

1.

If the piston and/or connecting rod are being installed new, the connecting rod orientation marks and the arrow on the top of the dome of the piston should be facing toward the front of the engine block.



2.

Position the piston on the connecting rod.



3.

Lubricate and install the piston pin.

Material

: Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) / XO-5W20-QSP (U.S.)
(WSS-M2C945-A)



NOTE: The piston pin retainer gap orientation must be toward the top of the piston.

4.

Install the piston pin retainers.



5.

Lubricate and install the oil control rings.

1.

Upper oil control ring.

2.

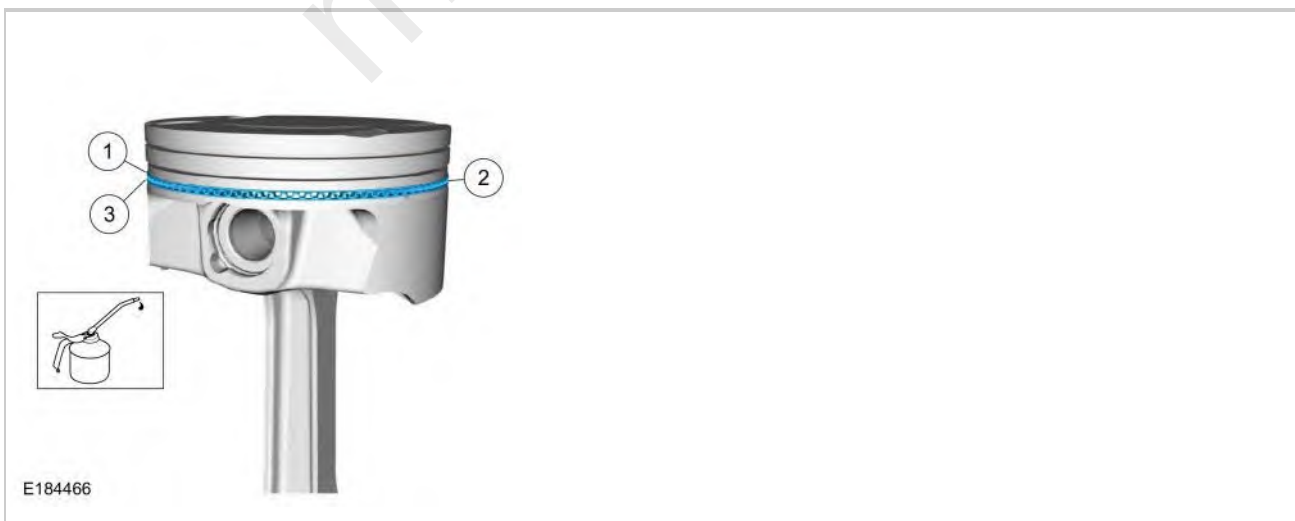
Oil control expander ring.

3.

Lower oil control ring.

Material

: Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) / XO-5W20-QSP (U.S.)
(WSS-M2C945-A)



6.

Install the lower compression ring.

1.

The "O" mark on the ring pointing up toward the top of the piston.

2.

Hook feature will point down toward the bottom of piston.

Material

: Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) / XO-5W20-QSP (U.S.)
(WSS-M2C945-A)



7.

Install the upper compression ring.

1.

The "O" mark on the ring pointing up toward the top of the piston.

Material

: Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) / XO-5W20-QSP (U.S.)
(WSS-M2C945-A)