

303-01 Engine - 2.3L EcoBoost (201kW/273PS)  
Disassembly and Assembly of Subassemblies

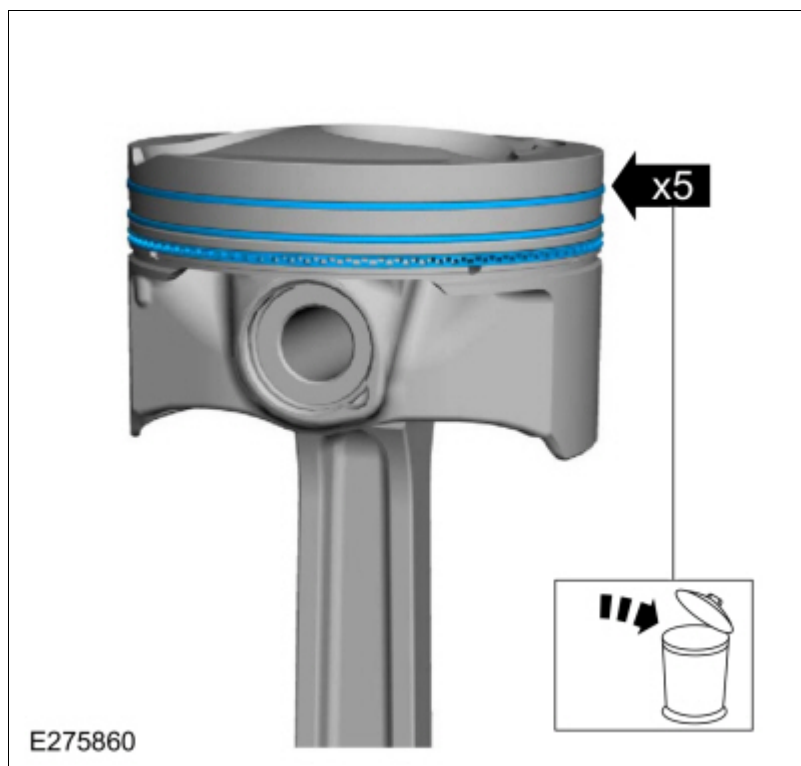
2019 Ranger  
Procedure revision date: 01/4/2019

## Piston

### DISASSEMBLY

**NOTE:** If the piston and connecting rod are to be reinstalled, they must be assembled in the same orientation. Mark the piston orientation to the connecting rod reassembly.

1. Remove the piston rings and discard.



2.
  - Remove the piston pin retainers and discard.
  - Remove the piston pin.



3. **NOTE:** *If the piston and connecting rod are to be reinstalled, they must be assembled in the same orientation. Mark the piston orientation to the connecting rod for reassembly.*
- Remove the piston from the connecting rod.
  - Inspect the piston.  
Refer to: [Piston Inspection](#) (303-00 Engine System - General Information, General Procedures).



## ASSEMBLY

1. **NOTE:** *Align the piston-to-connecting rod orientation marks made during disassembly.*

Install the piston to the connecting rod.





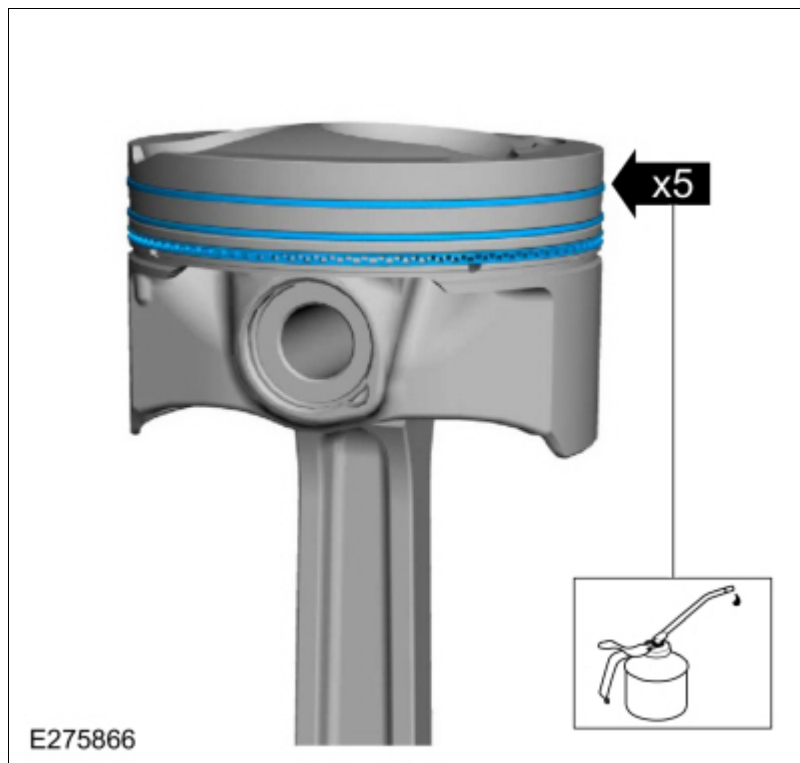
2. Lubricate with clean engine oil and install the piston pin.



3. Install the piston pin retainers.



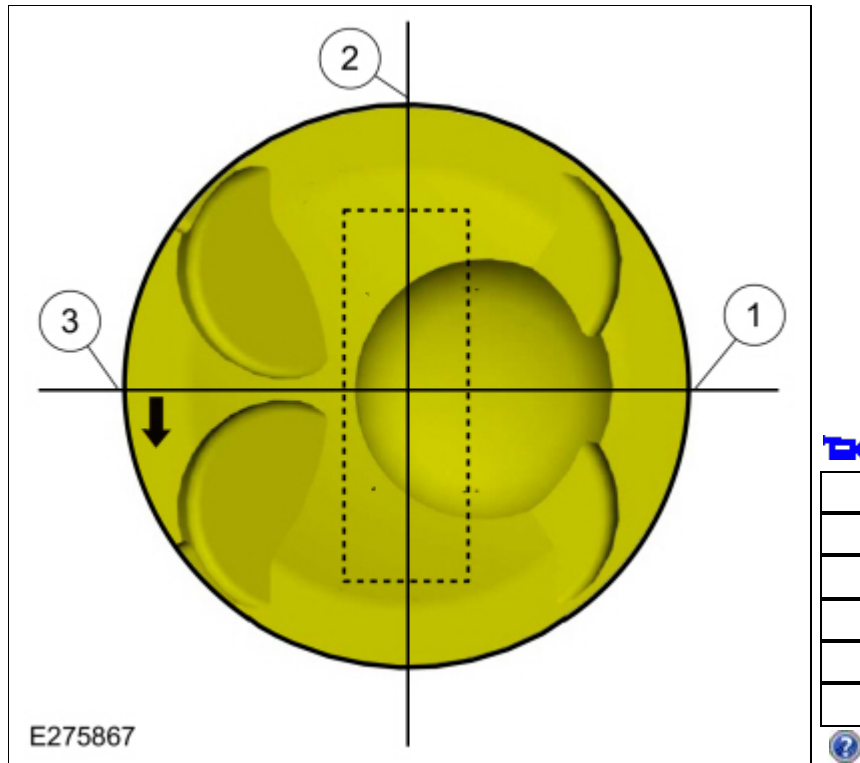
4. Lubricate with clean engine oil and install the piston rings.



5. **NOTE:** Align the piston rings on the piston.

**NOTE:** Arrow indicates front of engine.

1. Upper oil control segment ring gap location.
2. Oil control spacer gap location.
3. Lower oil control segment ring gap location.



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