

Automotive Engines 10th

Chapter 23 Engine Removal and Disassembly

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1. Why should the ridge that sometimes forms at the top of the cylinder be removed?
2. What are the differences between a minor and a major overhaul?
3. Why should the burrs often seen at the top of the valve stem be removed before removing the valves from the cylinder head?
4. Why should the cylinder bore be measured before continuing with an engine disassembly?
5. When should the factory-installed lifting hooks be used?

Answer Key

Testname: ENGINES 10 SHORT23

1. Before the pistons can be removed from the block, the ridge must be removed. Piston wear against the cylinder wall leaves an upper ridge, because the top ring does not travel all the way to the top of the cylinder. Ridge removal is necessary to avoid catching a ring on the ridge and breaking the piston.

Page Ref: 320

2. A minor overhaul can usually be done with the engine in the vehicle and is less extensive than a major overhaul when the engine is removed from the vehicle.

Page Ref: 315-316

3. The valve tip edge and keeper (lock) area should be lightly filed or stoned to remove any burrs before sliding the valve from the head. burrs will scratch the valve guide.

Page Ref: 323

4. If the cylinder bore is worn beyond repair, then another block or engine may be more cost effective.

Page Ref: 320

5. Factory installed lifting hooks should be used whenever possible for removal (or installation) of the engine from the vehicle.

Page Ref: 317