

Name _____

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

1) What does “decking the block” mean?

2) What is the difference between deglazing and honing a cylinder?

3) What is the best method to use to clean an engine block after honing?

4) How is Styrofoam used to cast an engine block?

5) What procedures should be performed to detail the block and get it ready to be reassembled?

Answer Key

Testname: ENGINES9_SHORT 30

1) "Decking the block," means to machine the top surface of the block true and flat.

Page Ref: 444

2) Deglazing is a process used to roughen the surface of a cylinder wall. Honing is a process used to remove material (straighten) and provide the proper surface finish to a cylinder wall by using cutting stones.

Page Ref: 447

3) The best way to clean the honed cylinders is to scrub the cylinder walls with a brush using a mixture of detergent and water.

Page Ref: 451

4) Styrofoam is packed into a sand mold. When molten aluminum is poured into the sand mold, the styrofoam vaporizes leaving behind a cavity that is filled by the molten aluminum.

Page Ref: 437-438

5) Before the engine block can be assembled, a final detailed cleaning should be performed.

1. All oil passages (galleries) should be cleaned by running a long bottle-type brush through all holes in the block.

2. All tapped holes should have the sharp edges at the top of the holes removed (chamfered) and cleaned with the correct size of thread chaser to remove any dirt and burrs.

3. Coat the newly cleaned block with fogging oil to prevent rust.

Page Ref: 451