

Automotive Engines 10th

Quiz 35B

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1. Which computer sensor should be replaced to help ensure that the engine will be operating at the correct air-fuel ratio? 1. _____
 - A) Throttle position sensor
 - B) Oxygen sensor
 - C) Manifold absolute pressure sensor
 - D) Engine coolant temperature sensor

2. "Dressing the engine" means _____. 2. _____
 - A) installing all of the exterior engine components
 - B) cleaning the engine
 - C) changing the oil and filter
 - D) Both B and C

3. Before installing or starting a new or rebuilt engine, all of the following items should have been checked, EXCEPT _____. 3. _____
 - A) battery fully charged
 - B) pre-lube engine and check for proper oil pressure
 - C) check that all of the vacuum lines are correctly installed and routed
 - D) rear axle is topped off

4. Normal operating temperature is reached when _____. 4. _____
 - A) the radiator cap releases coolant into the overflow
 - B) the upper radiator hose is hot and pressurized
 - C) the cooling fan has cycled at least once (if equipped)
 - D) Both B and C

5. Technician A says to always adjust the clutch free play after starting the engine. Technician B says that the old clutch disc can be reused if it looks OK. Which technician is correct? 5. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

6. Lugging an engine means _____. 6. _____
 - A) wide-open throttle (WOT) in low gear above 25 miles per hour
 - B) that engine speed does not increase when the throttle is opened wider
 - C) starting a cold engine and allowing it to idle for longer than five minutes
 - D) Both B and C

7. Always adjust the _____ before starting the engine to help prevent thrust bearing damage? 7. _____
 - A) shift linkage
 - B) clutch free play
 - C) brake pedal travel
 - D) driveshaft angle

8. Technician A says to use SAE 30 engine oil on an engine break-in. Technician B says that it is recommended to change the engine oil and filter after 30 minutes of running time. Which technician is correct? 8. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
9. If the bell housing is NOT properly torqued to the engine block, _____. 9. _____
- A) the bell housing will distort
 - B) the engine block will crack
 - C) the rear cylinder can be distorted (become out-of-round)
 - D) the crankshaft will crack
10. After rebuilding an engine, which of these should be nearby when the engine is first started? 10. _____
- A) Bucket of water
 - B) Fire extinguisher
 - C) Blanket
 - D) First Aid Kit

Answer Key

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2. A
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4. D
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5. D
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