

Tips and Technology

For Bosch Partners

Current information for the successful workshop No. 06/2015

Did you know?



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Questions on Automobile Technology

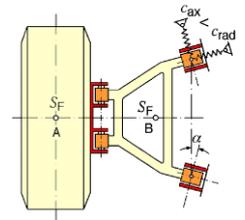
Do you remember test questions from your training? How much of this knowledge is still in your memory? How much have you learned since then? Test your knowledge against the following questions! Good luck!

Only one answer is right for each question.
You can find the answers on page 3.

Question 1:

Which statement is true regarding wheel camber?

- a) the more negative the angle of the outside wheel in a curve, the better the reaction torque
- b) the more negative the camber, the more negative the required toe-in
- c) the more positive the angle of the outside wheel in a curve, the better the reaction torque
- d) the wheel camber influences the aligning torque of steering



Question 2:

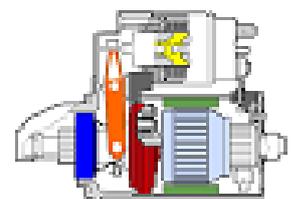
After the suspension is lowered, the customer complains that rear axle overbrakes. What problem could this be associated with?

- a) this is normal because the center of gravity has shifted
- b) the combination of wheels/tires must be adapted
- c) the adjustment of the suspension and the air pressure need to be corrected
- d) the LSV was set incorrectly or not at all

Question 3:

What is the job of the roller type overrunning clutch in the starter?

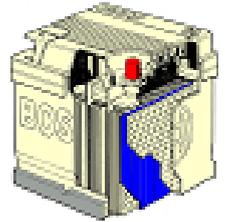
- a) enables a comfortable start
- b) protects the starter from excessive speeds
- c) enables a repeat starting function
- d) enables the start blocking function



Question 4:

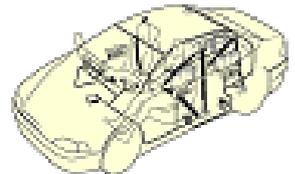
When is it recommendable to use deep-cycle batteries (gel or AGM)?

- a) when the inspection intervals are to be longer
- b) before winter
- c) in instances where deep discharges are anticipated
- d) when additional consumers with strong cycles are connected

**Question 5:**

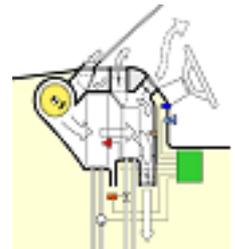
What is the definition of Interior passive safety?

- a) everything which contributes toward preventing an accident
- b) all of the measures that secure the vehicle against theft
- c) chassis control systems that are active without the driver's intervention
- d) all of the measures that protect passengers during or after the accident

**Question 6:**

Can R12 refrigerant still be used for air-conditioning systems?

- a) no
- b) only in summer
- c) an exception permit must first be obtained
- d) use is permissible but not maintenance

**Question 7:**

Are there special regulations that apply to repairing aluminum bodies?

- a) no
- b) repairs may only be performed by the vehicle manufacturer
- c) repairs can be performed by observing the steps for repair and workplace guidelines
- d) only by certified paint shops

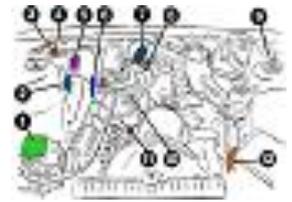
**Question 8:**

How is the high pressure generated in an electro-hydraulic power steering system?

- a) by a pump that it is operated by an electric motor as needed
- b) by a pump that it is operated by the internal combustion engine
- c) the recirculation pump of the ABS system is used
- d) the pre-charge pump of the ASR/ESP system is used

Question 9:

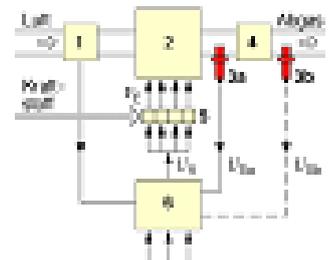
The customer has found an octane coding plug in the engine compartment. What is the plug for?



- a) adapting the starting volume
- b) adapting the ignition timing to the fuel quality/octane number
- c) adapting the acceleration in Richmond
- d) adapting the idle speed

Question 10:

What is the correct number of components for the lambda control circuit?



- a) 2 motors,
1 fuel injector,
4 primary mufflers,
5 fuel injectors
- b) 6 control units,
4 catalytic converters,
2 intake manifolds,
1 fuel injector,
- c) 1 air mass meter,
4 catalytic converters,
5 fuel injectors,
6 engine control units
- d) 3a control sensor,
3b diagnostic sensor,
4 three way catalytic converter,
1 fuel injector,

Answers: 1a) 2d) 3b) 4c) 5d) 6d) 7c) 8a) 9b) 10c)

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