

# CH\_17 Underhood Inspection#1

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 1) If the vehicle calls for DOT 3 brake fluid then DOT 5 fluid will provide even better performance. 1) \_\_\_\_\_

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

- 2) DOT 5 brake fluid \_\_\_\_\_. 2) \_\_\_\_\_  
A) May be mixed with DOT 3 and DOT 4 fluid  
B) Absorbs water easily  
C) Both A and B  
D) Neither A nor B

- 3) Polyglycol brake fluid \_\_\_\_\_. 3) \_\_\_\_\_  
A) Is petroleum based  
B) Is amber in color  
C) Both A and B  
D) Neither A nor B

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 4) One type of power steering fluid is generally used for all vehicles. 4) \_\_\_\_\_

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

- 5) Spraying accessory drive belts with a fine mist of water from a spray bottle is used to \_\_\_\_\_. 5) \_\_\_\_\_  
A) Cool the belt  
B) Check if a noise is due to the belt  
C) Lubricate the belt  
D) Provide increased gripping power to the belt

- 6) Technician A says that the metal brake fluid reservoir found on older vehicles requires the top to be removed to check fluid level. Technician B says that when filling a brake fluid reservoir to leave room for expansion due to heat. Which technician is correct? 6) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians A and B  
D) Neither technician A nor B

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 7) Checking automatic transmission fluid level is easy, since they all have a dipstick. 7) \_\_\_\_\_

- 8) A radiator hose should be hard and stiff in order to prevent leaks. 8) \_\_\_\_\_

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

- 9) Properly mixed coolant (50% antifreeze and 50% water) will have a freezing point of \_\_\_\_\_. 9) \_\_\_\_\_  
A) 20° F  
B) -20° F  
C) -34° F  
D) 32° F

- 10) Engine oil level should be checked \_\_\_\_\_. 10) \_\_\_\_\_  
A) With the engine running  
B) With the vehicle parked on level ground  
C) Both A and B  
D) Neither A nor B

11) Dexron VI and Mercon V are examples of \_\_\_\_\_. 11) \_\_\_\_\_  
A) Automatic transmission fluid (ATF) B) Power steering fluid  
C) Engine oil D) Brake fluid

12) DOT 4 brake fluid \_\_\_\_\_. 12) \_\_\_\_\_  
A) Absorbs water vapor at a slower rate than DOT 3  
B) Costs more than DOT 3  
C) Both A and B  
D) Neither A nor B

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

13) A hybrid electric vehicle may have more than one cooling system. 13) \_\_\_\_\_

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

14) The fluid used in power steering systems is \_\_\_\_\_. 14) \_\_\_\_\_  
A) Automatic transmission fluid of special power steering fluid  
B) Antifreeze (coolant)  
C) Brake fluid  
D) Gear oil

15) Coolant can be checked using \_\_\_\_\_. 15) \_\_\_\_\_  
A) Visual inspection  
B) Boiling/freezing points using a refractometer and hydrometer  
C) Test strips  
D) All of the above

16) Windshield washer fluid is designed to \_\_\_\_\_. 16) \_\_\_\_\_  
A) Clean the windshield B) Contain alcohol to keep it from freezing  
C) Help remove bugs D) All of the above

17) What should be done to protect the vehicle during inspections and service? 17) \_\_\_\_\_  
A) Protect the seats B) Protect the floor of the vehicle  
C) Cover the steering wheel D) All of the above

18) What is this tool used for? 18) \_\_\_\_\_



A) Checking brake fluid moisture level B) Checking tire pressure  
C) Checking coolant freeze protection D) Checking coolant levels

19) DOT 3 brake fluid can absorb \_\_\_\_\_ % of its volume of water per year. 19) \_\_\_\_\_  
A) 50% B) 2% C) 15% D) None of these

- 20) Technician A says that most manufacturers specify replacement of the air filter every 30,000 miles. Technician B recommends replacing the air filter every year. Which technician is correct? 20) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians A and B D) Neither technician A nor B
- 21) Accessory drive belts should be checked for proper tension by \_\_\_\_\_. 21) \_\_\_\_\_  
A) A torque wrench reading on the tensioner B) Tensioner marks  
C) Deflection D) Any of the above may be specified
- 22) When inspecting engine oil, what should be checked? 22) \_\_\_\_\_  
A) Feels slippery and not gritty B) Color  
C) Proper level D) All of the above
- 23) Technician A says that coolant is normally a dark brown color. Technician B says to periodically inspect the radiator for obstructions. Which technician is correct? 23) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians A and B D) Neither technician A nor B
- 24) Most vehicle manufacturers specify brake fluid that meets what specification? 24) \_\_\_\_\_  
A) DOT 3 B) DOT 2 C) DOT 5 D) DOT 4
- 25) The cabin filter can be accessed from \_\_\_\_\_. 25) \_\_\_\_\_  
A) Under the hood on some vehicles B) Under the dash on some vehicles  
C) Under the vehicle on some vehicles D) Either A or B