

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

- 1) When blowing through the vacuum supply hose, if air passes through the check valve into the booster _____ 1) _____
A) Replace the booster B) The check valve is functioning properly
C) Replace the vacuum pump D) Replace the check valve
- 2) The purpose of the charcoal filter in the vacuum hose between the engine and the vacuum brake booster is to _____. 2) _____
A) Trap gasoline vapors to keep them from entering the booster
B) Direct the vacuum
C) Act as a one-way check valve to help keep a vacuum reserve in the booster
D) Filter the air entering the engine

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

- 3) Hydro-boost systems store pressure for reserve braking. 3) _____

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

- 4) A common source of vacuum for boosters used on diesel engines is _____. 4) _____
A) Auxiliary vacuum pump B) Carburetor
C) Intake manifold D) Exhaust manifold

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

- 5) The power steering pump test determines if the pump produces enough fluid pressure and flow to run the hydro-boost. 5) _____

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- 6) Pushrod adjustment is checked with a _____. 6) _____
A) Variable gauge B) Go/no-go gauge
C) Either A or B D) Neither A nor B
- 7) To provide the driver with a sense of "feel" during braking, vacuum boosters use a _____. 7) _____
A) Vacuum diverter B) Diaphragm spacer
C) Pressure restricter D) Reaction disc
- 8) Two technicians are discussing vacuum brake boosters. Technician A says that when the engine is running and the driver's foot is off the brake pedal, a vacuum is present on both sides of the booster diaphragm. Technician B says that when the brakes are in the applied position, vacuum is present on the front side of the diaphragm. Which technician is correct? 8) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician

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

9) A vacuum is described as any pressure that is higher than atmospheric pressure.

9) _____

10) If the engine stops running, the Hydro-Boost will not be able to provide any power assist for the brakes.

10) _____