

TEST YOUR AUTOMOTIVE TECHNICAL KNOWLEDGE

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This self-test can help you determine how much you really know about this subject. Questions are written in the ASE style format and are multiple choice.

The answer key is on the last page.

There are also links to related articles on the <https://www.AA1Car.com> website. Good luck!

AUTOMATIC TRANSMISSION/TRANSAXLE SELF-TEST

1. Technician A says "Mercon LV" transmission fluid is only used in Mercury vehicles. Technician B says "Type F" fluid is used primarily in older Ford vehicles, but also some imports.

Who is right?

- a. Technician A only
 - b. Technician B only
 - c. Both Technician A and B
 - d. Neither one
2. Transmission fluid that is brown and has a burnt smell:
- a. Is badly oxidized and needs to be replaced
 - b. Can damage the transmission
 - c. Has probably been subjected to overheating
 - d. All of the above
3. Dexron-VI automatic transmission fluid is used primarily in what make of vehicle?
- a. Chrysler
 - b. General Motors
 - c. Ford
 - d. Honda
4. Using the wrong type of transmission fluid in your vehicle:
- a. May cause shifting problems
 - b. May cause slipping problems
 - c. May damage the transmission
 - d. All of the above
5. Draining an automatic transmission by removing the pan removes how much of fluid?
- a. All of it
 - b. 90% of the fluid
 - c. 50% to 70% of the fluid
 - d. 25% of the fluid
6. All of the following statements about torque converters are true EXCEPT:
- a. It is located between the engine and transmission
 - b. It is located between the transmission and driveshaft
 - c. It is filled with automatic transmission fluid
 - d. It usually has no drain plug

7. Technician A says a bad torque converter may give a vehicle poor acceleration and fuel economy.

Technician B says the lockup clutch inside a torque converter engages above certain speeds or when the transmission is in higher gears to improve fuel economy.

Who is right?

- a. Technician A only
- b. Technician B only
- c. Both Technician A and B
- d. Neither one

8. The type of ATF required for a transmission may be found:

- a. On the transmission dipstick (if the transmission has a dipstick, some don't)
- b. In the owner's guide
- c. In OEM service literature (manuals or online)
- d. Any of the above

9. The leading cause of automatic transmission failure is:

- a. Overheating
- b. Dirt
- c. Speeding
- d. Fluid leaks

10. Installing an auxiliary ATF cooler:

- a. Lowers the operating temperature of the fluid
- b. Prolong the life of the fluid
- c. Prolong the life of the transmission
- d. All of the above

11. Technician A says the ATF filter should be replaced when the fluid is changed.

Technician B says the ATF filter is usually located inside the transmission pan (there are some exceptions).

Who is right?

- a. Technician A only
- b. Technician B only
- c. Both Technician A and B
- d. Neither one

12. If all of the shift solenoids inside an electronic automatic transmission are de-energized (no voltage), what gear would the transmission most likely default to?

- a. Neutral
- b. Park
- c. 1st gear
- d. 2nd or 3rd gear

(Answer Key on next page)

AUTOMATIC TRANSMISSION SELF-TEST ANSWER KEY

1B, 2D, 3B, 4D, 5C, 6B, 7C, 8D, 9A, 10D, 11C, 12D

Links to Related Articles on <https://www.AA1Car.com>



Automatic Transmission Repair:

[Automatic Transmission Fluid & Filter Service](#)

[Automatic Transmission Fluid \(types and applications\)](#)

[Diagnosing Automatic Transmission Complaints](#)

[Automatic Transmission Slipping](#)

[Automatic Transmission Service](#)

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[Chrysler 45RFE Automatic Transmission Shift Problems](#)

[Ford AX4S Automatic Transmission \(Windstar & Taurus\)](#)

[Torque Converters \(basic operation & diagnosis\)](#)

[High Performance Torque Converters](#)