

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) How does a defective torque converter clutch solenoid cause the vehicle to stall when the vehicle is slowing to a stop?

2) How is a pressure test of the mainline and other pressures of an automatic transmission/transaxle performed?

3) What precautions have to be used when stall testing?

4) How is the ATF level determined on a transmission/transaxle that does not have a dipstick?

5) What tests can be performed on an automatic transmission/transaxle to determine any faults while the unit is still in the vehicle?

Answer Key

Testname: SHORT 135

- 1) If a torque converter clutch solenoid becomes stuck in the applied position, the engine will stall when the vehicle slows to a stop because the torque converter clutch does not disengage.
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- 2) Pressure taps are provided on the case of most automatic transmissions/transaxles that allow a pressure gauge to be installed to check mainline and other pressures.
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- 3) Some vehicle manufacturers do not recommend performing a stall test because it can be dangerous if the brakes were to fail during the test, and it places stress on the engine. Avoid overheating the transmission fluid.
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- 4) To check transmission fluid level on a vehicle without a dipstick, perform the following steps:
STEP 1 Check service information for the correct checking procedure.
STEP 2 Check the transmission temperature using a scan tool. This is very important and the vehicle will usually need to be driven for several miles before the specified fluid temperature is achieved.
STEP 3 Locate and carefully remove the fluid level plug. Note that the level plug can be small, like a pressure check plug, or large, like a conventional plug. The plug can be located in the transmission case or on the bottom or side of the pan.
STEP 4 If fluid drips or seeps from the hole, the level is correct.
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- 5) The tests that can be performed to check an automatic transmission/transaxle for faults include: fluid level check, pan removal and inspection, pressure tests, as well as TV cable adjustment, manual linkage adjustment, and modulator valve checks.
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