

Automatic Transmission and Transaxle: Inspection and Testing

Student/intern information:

Name _____ Date _____ Class _____

Vehicle used for this activity:

Year _____ Make _____ Model _____

Odometer _____ VIN _____

Learning Objective/Task	CDX Tasksheet Number	2013 MLR NATEF Reference Number; Priority Level	2013 AST NATEF Reference Number; Priority Level	2013 MAST NATEF Reference Number; Priority Level
• Perform pressure tests (including transmissions/transaxles equipped with electronic pressure control); determine necessary action.	C740			2A6; P-1
• Perform stall test; determine necessary action.	C741		2A6; P-3	2A8; P-3
• Perform lock-up converter system tests; determine necessary action.	C063		2A7; P-3	2A9; P-3

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle with automatic transmission/transaxle and lock-up converter
- Vehicle hoist
- Flashlight or shop light
- Optional: fluorescent dye and ultraviolet light
- Transmission pressure gauge set
- Tachometer
- Scan tool
- DVOM/DMM

Some Safety Issues to Consider

- Vehicle hoists are important tools that increase productivity and make the job easier. However, they can also cause severe injury or death if used improperly. Make sure you follow the manufacturer's operation procedures. Also, make sure you have your supervisor's/instructor's permission to use a hoist.
- This procedure may require cleaning the transmission or axle assembly prior to inspection. If so, use the proper equipment and procedures to carry this out safely. Also, get your supervisor's/instructor's permission prior to cleaning.
- **Caution:** Stall testing for more than a few seconds can damage the transmission or other parts of the vehicle. It is also a hazardous task. Perform this task with the utmost care! Note that some manufacturers don't allow a stall test to be performed on their vehicles.

- When running any vehicles in the shop, make sure you use the shop's exhaust ventilation system to discharge all exhaust gas safely outside.
- Diagnosis of this fault may require test-driving the vehicle on the school grounds. Attempt this task only with full permission from your instructor and follow all the guidelines exactly.
- Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

Performance Standard

0—No exposure: No information or practice provided during the program; complete training required

1—Exposure only: General information provided with no practice time; close supervision needed; additional training required

2—Limited practice: Has practiced job during training program; additional training required to develop skill

3—Moderately skilled: Has performed job independently during training program; limited additional training may be required

4—Skilled: Can perform job independently with no additional training