

Automatic Transmission and Transaxle: Maintenance and Repair

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
• Inspect, adjust, and replace external manual-valve shift linkage, transmission-range sensor/switch, and park/neutral position switch.	C683	2B1; P-2	2B1; P-2	2B1; P-2
• Inspect for leakage at external seals, gaskets, and bushings.	C905	2B2; P-2		
• Inspect for leakage; replace external seals, gaskets, and bushings.	C748		2B2; P-2	2B2; P-2
• Inspect, replace, and align powertrain mounts.	C602	2B3; P-2	2B5; P-2	2B5; P-2

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle with automatic transmission/transaxle
- Vehicle hoist
- Scan tool
- DVOM/DMM
- Floor jack
- Drain pan
- Torque wrench
- Specified filter and fluid
- DVOM

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.
- 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.

- 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.
- 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