

Manual Drive Train and Axles: Transmission/Transaxle Maintenance

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
• Check fluid condition; check for leaks.	C901	3A3; P-1		
• Check fluid condition; check for leaks; determine necessary action.	C691		3A3; P-1	3A3; P-1
• Drain and refill manual transmission/transaxle and final drive unit.	C105	3A2; P-1	3A4; P-1	3A4; P-1

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle with manual transmission/transaxle
- Vehicle hoist
- Drain pan
- Flashlight or shop light
- Fluorescent dye and ultraviolet light (optional)
- Specified fluid

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 any particular type of lifting equipment.
- When running any vehicles in the shop, make sure you use the shop's exhaust ventilation system to discharge all exhaust gas safely outside.
- This procedure may require cleaning the engine 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