

Manual Drive Train and Axles: Clutch 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
• Inspect clutch pedal linkage, cables, automatic adjuster mechanisms, brackets, bushings, pivots, and springs; perform necessary action.	C107		3B2; P-1	3B2; P-1
• Check and adjust clutch master cylinder fluid level.	C908	3B1; P-1	3B5	
• Check for system leaks.	C909	3B2; P-1		
• Check and adjust clutch master cylinder fluid level; check for leaks.	C938		3B5; P-1	3B5; P-1
• Bleed clutch hydraulic system.	C111		3B4; P-1	3B4; P-1

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle with manual transmission/transaxle
- Vehicle hoist
- Flashlight or shop light
- Ruler
- Brake/clutch bleeding kit
- Drain pan
- Line or flare wrench set
- 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.
- 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.
- Brake fluid can damage painted surfaces. Avoid spills and splashes, and rinse off with water immediately.

- 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