

**► TASK** Diagnose universal joint noise and vibration concerns; perform necessary action.

**AST**  
3D2**MAST**  
3D2

Time off: \_\_\_\_\_

Time on: \_\_\_\_\_

Total time: \_\_\_\_\_

**CDX Tasksheet Number: C133**

Vehicle used for this activity:

Year \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_

Odometer \_\_\_\_\_ VIN \_\_\_\_\_

**1. List the universal joint-related customer concern:**

- 2.** With your instructor's permission, test-drive the vehicle in an open area on a firm surface. Listen for a distinctive squeaking noise or clunking sound coming from under the vehicle, which is usually worse at low speeds. Universal joints can also cause a vibration at low speeds due to intermittent binding, or at higher speeds due to causing the drive shaft to be located off center. **List your observations:**

- 3.** Safely raise and secure the vehicle on a hoist and inspect the universal joints for looseness, wear, and damage. **List your observations:**

**NOTE** Make sure the parking brake is not applied and the transmission is in neutral. This will allow you to turn the drive shaft to check it for play and binding in various positions.

**4. Determine any necessary action(s):**

- 5.** Have your supervisor/instructor verify your observations and diagnosis.  
**Supervisor's/instructor's initials:** \_\_\_\_\_

6. Perform any necessary action(s) following the specified procedure.  
**List your observations:**

**NOTE** Be sure to tighten all fasteners to the proper torque.

7. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

**Performance Rating**

**CDX Tasksheet Number: C133**

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**0**

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**1**

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**2**

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**3**

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**4**

Supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_