

Four-Wheel Drive Diagnosis

Meets NATEF Task: (A3-F-1, A3-F-8, A3-A-2) Diagnose noise and vibration concerns; determine necessary action. (P-3s)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 1. Check the service manual for correct fluid and for the location for inspecting the fluid.

Recommended fluid = _____

Inspection location = _____

_____ 2. Hoist the vehicle safely.

_____ 3. Inspect the fluid level and replace as required or recommended.

_____ level okay

_____ level low - added fluid

_____ drained and replaced the fluid

_____ 4. Check the engine and transmission/transfer case mounts.

_____ all mounts are dry and okay

_____ one or more of the mounts is oil soaked

_____ one or more of the mounts is collapsed or defective

_____ other (describe) _____



NOTE: A defective engine or transmission/transfer case mount can cause abnormal vibrations and noise.

_____ 5. Check the operation of the clutch by checking free play and compare to the factory specifications.

Free play specifications (if available) = _____

Actual measured clutch pedal free play = _____

OK _____ **NOT OK** _____

_____ 6. Adjust the clutch linkage if possible. **OK** _____ **NOT OK** _____

_____ 7. What is the necessary action? _____
