



# Engine Noise and Vibration Diagnosis

Meets NATEF Task: (A8-A-6) Diagnose abnormal engine noise or vibration concerns; determine necessary action. (P-3)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

- \_\_\_\_\_ 1. When is the engine noise or vibration detected? Check all that apply.
  - \_\_\_\_\_ At engine start (warm engine)
  - \_\_\_\_\_ At engine start (cold engine)
  - \_\_\_\_\_ Idle (cold)
  - \_\_\_\_\_ Idle (hot)
  - \_\_\_\_\_ During acceleration
  - \_\_\_\_\_ Under heavy load
  - \_\_\_\_\_ Under light load
  - \_\_\_\_\_ During deceleration
  - \_\_\_\_\_ Other (describe) \_\_\_\_\_
  
- \_\_\_\_\_ 2. Describe the noise or vibration. Check all that apply.
  - \_\_\_\_\_ Clicking sound (like a ball-point pen)
  - \_\_\_\_\_ Clacking noise (like tapping on metal)
  - \_\_\_\_\_ Rattle (like a baby rattle)
  - \_\_\_\_\_ Clatter (like rolling marbles)
  - \_\_\_\_\_ Whine (like an electric motor running)
  - \_\_\_\_\_ Clunk (like a door closing)
  - \_\_\_\_\_ Other (describe) \_\_\_\_\_
  
- \_\_\_\_\_ 3. Check service information regarding the noise and the associated tests and procedures that should be followed. \_\_\_\_\_  
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- \_\_\_\_\_ 4. What is the necessary action? \_\_\_\_\_  
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