



# Engine Noise and Vibration Diagnosis

Meets NATEF Task: (A1-A-6, A8-A-6) Diagnose engine noises and vibration; determine necessary action (P-2s)

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. \_\_\_\_\_

\_\_\_\_\_ 4. What is the necessary action? \_\_\_\_\_

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