



# Engine Noise and Vibration Diagnosis

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

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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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