

# Locate Shorts, Grounds, and Opens

Meets NATEF Task: (A6-A-4) Locate shorts, ground, and opens; determine the necessary action. (P-1)

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

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

\_\_\_\_\_ 1. Check service information for the recommended method for locating shorts, grounds, and opens.

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\_\_\_\_\_

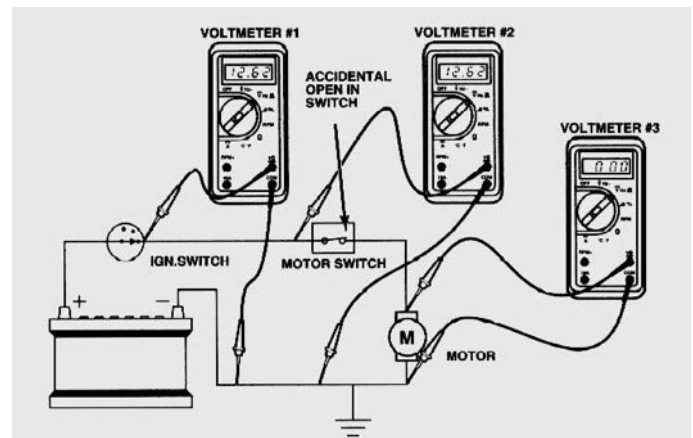
\_\_\_\_\_ 2. Follow the recommended troubleshooting procedure to locate the short-to-ground. Check all that apply.

- \_\_\_\_\_ Short finder
- \_\_\_\_\_ Ohmmeter attached to the fuse panel with the fuse removed
- \_\_\_\_\_ Voltmeter attached to the fuse panel with the fuse removed
- \_\_\_\_\_ Ammeter attached to the fuse panel with the fuse removed
- \_\_\_\_\_ Sonic short finder
- \_\_\_\_\_ Other (describe) \_\_\_\_\_



\_\_\_\_\_ 3. Most diagnostic test procedures include checking for proper power and ground at the component that is not functioning.

- a. Is there voltage at the component when the circuit is activated?  
 Yes \_\_\_\_\_ No \_\_\_\_\_
- b. Is there continuity between the ground connection at the component and a good chassis ground?  
 Yes \_\_\_\_\_ No \_\_\_\_\_



\_\_\_\_\_ 4. Based on the test results, what is the necessary action? \_\_\_\_\_

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