

# Electrical Circuit Problems

Meets NATEF Task: (A6-A-5) Demonstrate knowledge of the causes and effects of shorts, grounds, opens, and high resistance. (P-1)

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

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

\_\_\_\_\_ 1. What is the effect on an electrical circuit due to a short? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 2. What is the effect on an electrical circuit due to an unintentional ground? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 3. What is the effect on an electrical circuit due to an open? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 4. What is the effect on an electrical circuit due to high resistance? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

