

Automotive Technology
Conductors, Insulators, and Semi-conductors

EL-LAB 1

NATEF Task A6 A7, 17

Name

Date

Period

*Learning Objective: Student will cut, strip,
solder, and heat shrink a wiring repair.*

Electrical Circuit Board No. _____

Directions: First, test all the values of your assigned circuit board and record the values.

Then, install a resistor or diode into a circuit that has 0 ohms to start.

Finally, recheck all the values of the circuit board and record your findings.

Make sure that none of the circuits have an infinity ohms reading!

BEFORE		AFTER	
Connected to	Ohms (Ω)	Connected to	Ohms (Ω)
1.		1.	
2.		2.	
3.		3.	
4.		4.	
5.		5.	
6.		6.	
7.		7.	
8.		8.	
9.		9.	
10.		10.	

PROBLEMS / RECOMMENDATIONS: _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	<i>Initial</i>	OVERALL SKILL EVALUATION	<i>Points</i>
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE:			