



(SCHOOL NAME HERE)

NAME _____

AUTOMOTIVE TECHNOLOGY

TITLE: Brake Stoplight System

TASK TYPE	NATEF TASK NUMBER	ACTION
Primary	NATEF Automotive Repair Task A5-E-5	Check operation of brake stoplight system. Determine necessary action.
Secondary	NATEF Automotive Repair Task A6-A-2	Identify and interpret electrical/electronic system concern. Determine necessary action.
Secondary	NATEF Automotive Repair Task A6-A-13	Inspect and test fusible links, circuit breakers, and fuses. Determine necessary action.
Secondary	NATEF Automotive Repair Task A6-A-14	Inspect and test switches, connectors, relays, solenoid solid state devices, and wires of electrical/electronic circuits. Determine necessary action.
Secondary	NATEF Automotive Repair Task A6-E-1	Diagnose the cause of brighter than normal, intermittent, dim, or no light operation. Determine necessary action.

PURPOSE: To develop through repetition, a mastery of diagnosing electrical faults in a typical brake stoplight circuit.

ACTIVITY: Using the Automotive Electrical Diagnostic Trainer supplied by United Concept Trainers, have your instructor install a "fault(s)". Determine fault(s) location with instructor approved electrical diagnostic tools. Record your diagnosis and conclusions below:

<u>1st fault activity</u>		
Circuit symptom	fault location	diagnosis
<u>2nd fault activity</u>		
Circuit symptom	fault location	diagnosis
<u>3rd fault activity</u>		
Circuit symptom	fault location	diagnosis
<u>4th fault activity</u>		
Circuit symptom	fault location	diagnosis
<u>5th fault activity</u>		
Circuit symptom	fault location	diagnosis
<u>6th fault activity</u>		
Circuit symptom	fault location	diagnosis

Results: Based on the above activity, what can you determine from diagnosing faulty brake stoplight circuits?
