



NATEF Collision Repair Task
Wiring Diagrams Comparison A6-A-6

(SCHOOL NAME HERE)

NAME _____

AUTOMOTIVE TECHNOLOGY

TITLE: Wiring Diagrams

PRIMARY TASK # NATEF Automotive Repair Task A6-A-6: Use wiring diagrams during diagnosis of electrical circuit problems.

PURPOSE: To research available on-line and hard copy databases that contain wiring diagrams of series circuits, parallel stoplamp circuits, cooling fan circuits, horn circuits, and heater fan circuits.

ACTIVITY: Compare the wiring diagrams researched with the Automotive Electrical Diagnostic Trainer supplied by United Concept Trainers, Identify wiring circuit similarities and differences, component similarities and differences, and possible diagnostic check point locations. Record your diagnosis and conclusions below:

Series Lamp Circuit

Circuit diagram _____
Similarities _____
Differences _____

Parallel Stoplamp Circuit

Circuit diagram _____
Similarities _____
Differences _____

Cooling Fan Circuit

Circuit diagram _____
Similarities _____
Differences _____

Horn Circuit

Circuit diagram _____
Similarities _____
Differences _____

Heater Circuit

Circuit diagram _____
Similarities _____
Differences _____

Results: Based on the above activity, what can you determine from the wiring diagrams comparisons?

