

Inspecting Completed Vehicles

Activity 5-2

Format: Small Group (3-5 students)

Time Frame: 1:30

Description

This activity provides students with an opportunity to inspect a completed vehicle/apparatus in order to validate whether or not recommended repairs were completed in accordance with manufacturer and AHJ specifications and to determine whether or not the vehicle/apparatus can be released to return to service.

Materials

- Activity sheet
- Pen/pencil
- Vehicle/apparatus
- Test, calibration, and diagnostic equipment and tools appropriate to evaluate the identified problems

Instructions

1. The instructor will assign a problem to each group.
2. In your group, create a list of potential causes for the problem.
3. Identify a repair solution for each cause.
4. Inspect the vehicle/apparatus and perform the appropriate tests:
 - Determine whether or not the problem has been resolved
 - Document findings and any further recommendations
5. Discuss your findings with the class.

Problem:

Potential Cause	Potential Solution	Type of Testing	Additional Recommendations

Instructor Notes (Do not distribute to students)

Before the activity set up the vehicle/apparatus so that some of the “Recommended Vehicle Problems” are resolved and some are not.

Recommended Vehicle Problems

- Pump would not engage
- Malfunctioning pressure control device
- Dash-side voltmeter at 12 volts with engine running
- Driver-side door won't latch to number 2 position on the Nader pin
- Vehicle leans to the left while parked