ADAS Component Calibration.

Date:

Your first name:

Your last name:

Owner first name:

Owner last name:

Vehicle make:

Vehicle model:

Vehicle year:

Vehicle engine:

Objective: To perform a calibration on an AV system-equipped vehicle.

Tools and Equipment:

- Lab/Shop facility

- AV system-equipped vehicle

- Scan tool and cables

- Manufacturer-specified tools and equipment

Instructions: In this activity you will perform component calibration on an AV system-equipped vehicle.

Safety Note: Review and follow safety procedures as outlined in SI.

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Pre-Calibration:

- Survey the facility. Is there anything that might interfere with calibration? Describe the problems and how you fixed them.

- Review and perform the pre-calibration steps specified in SI or the AV system calibration system you are using.*.*

- Describe the calibration procedure for the chosen component.

- Is a vehicle alignment necessary prior to calibration?

- If yes, explain why it is necessary.

- Use the chosen scan tool to perform the vehicle pre-scan. List the systems that the pre-scan tested.

- Were any applicable fault codes present?

- If yes, please list them with a short explanation.

- If fault codes were present, describe next steps.

Calibration:

- What brand of calibration equipment are you using?

- Describe the shape, look, and color of the calibration target.

- List the manufacturer-specified tools and equipment necessary to calibrate the component.

- Describe the target placement.

- Take any specific measurements required and explain why they are necessary.

- Use the scan tool to initiate the calibration. Was the calibration successful?

- If no, make necessary adjustments and perform a successful calibration. Describe any adjustments you had to make below.

- What would be the result of an incorrect or incomplete calibration?

Post-Calibration:

- Use the scan tool to perform the vehicle post-scan. What systems did the post-scan test?

- Were any applicable fault codes present?

  - If yes, please list.

    - If fault codes were present, describe next steps.

- What documentation is necessary to complete and provide for component or system repair?

Instructor approval and comments: