

### Vehicle Alignment

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 four-wheel alignment on a vehicle.

**Tools and Equipment:**

- AV-equipped vehicle
- Shop or service facility
- Applicable tools and equipment

**Instructions:** In this activity you will perform a road test and alignment on an AV-equipped vehicle.

**Pre-Alignment:**

- Locate alignment instructions in SI. List the equipment needed.

- Set up the space in which the alignment will be performed. Prepare the vehicle as required per alignment instructions.
- Perform a visual inspection of the vehicle's suspension components. Do any suspension components show wear?

- If yes, describe the wear.

- What effect could the wear of suspension components have on AV functions?

- Would incorrect vehicle ride-height affect the alignment?

- If yes, describe how it could affect the alignment.

- Would incorrect vehicle ride-height affect AV functions?

- If yes, describe how it could affect the AV functions.

- Run an alignment scan according to instructions before making any adjustments. Print out and/or attach the pre-alignment report to use as documentation.
- Was the vehicle thrust angle beyond specifications?

- If the thrust angle was beyond specifications, list the results below.

**Alignment:**

- Make alignment adjustments following the alignment instructions. Describe the process below.

**Post-Alignment**

- Generate a wheel alignment report. Print out and/or attach the post-alignment report to use as documentation.
- Do any systems need to be calibrated post-alignment?

- If yes, list the systems that need calibration.

**Finalizing the activity:**

- Did you encounter any problems during this procedure?

- If yes, describe the problems.

- What did you do to correct the problems?

Instructor approval and comments:

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