

## STEERING SYSTEMS CHALLENGE 9

**NATEF Standard(s) for Suspension & Steering:**

**B3** Diagnose steering column noises, looseness, and binding concerns (including tilt mechanisms); determine necessary action.

**Directions:** Read the challenge below and then list (1) Possible Causes, (2) Safety First Practices, and (3) Tools and Equipment Required if a technician were to perform a Quick ✓ Check.

**CUSTOMER'S CONCERN**

My steering wheel feels loose when I drive the car. I can turn the steering wheel back and forth and there is a lot of "play" in the wheel. The car will continue to go straight even though I've turned the wheel a little bit.

**Customer Vehicle:** Nissan Maxima.

**Possible Causes of This Challenge:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Safety First Practices to Follow to Quick ✓ Check This Challenge:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Tools and Equipment Required to Quick ✓ Check This Challenge:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_