

ANSWER KEY TO CHALLENGE SHEET

STEERING SYSTEMS CHALLENGE 9

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. Loose tie rods.
2. Loose steering column knuckle.
3. Loose rack and pinion gear mesh.
4. Power steering pump problem (high psi).

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Properly raise vehicle on lift or use a jack and jack stands.
3. Use proper manufacturer's instructions to check ball joints.
4. Follow all safety rules when using hand tools.

Tools and Equipment Required:

1. Vehicle service information and hand tools.
2. Hoist or jack and jack stands.
3. Proper measuring device to check ball joint wear.
4. Measuring device to check curb height.
5. Flashlight or shop light.