

North Montco Technical Career Center

ASE Practice Test 4
Steering and Suspension

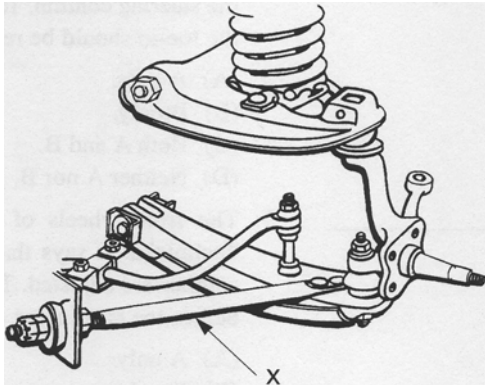
Name: _____

AM-1: _____ AM-2: _____ PM: _____

Date: _____

1. Which of the following is true regarding rod X in the suspension shown?

- (A) decreasing rod length changes steering axis inclination.
- (B) length of the rod will not affect caster or camber.
- (C) rod acts as stabilizer bar.
- (D) increasing rod length changes caster.



2. A car's front end vibrates up and down when traveling at most road speeds. Technician A says too much front tire runout could be the cause. Technician B says front tire static out-of-balance could be the cause. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

3. A car has no stability on a level road. What is a possible cause? (A) too much negative camber. (B) too much positive caster. (C) no toe-out on turns. (D) none of the above.

4. All the following could cause tire wear if not within manufacturer's specs except: (A) caster. (B) wheel balance. (C) toe-in. (D) camber.

5. After disconnecting the linkage, what is the proper order for manual steering gear adjustment?

- (A) center the steering wheel, adjust worm shaft endplay, reconnect linkage.
- (B) adjust sector shaft, adjust worm shaft bearing preload, reconnect linkage.
- (C) center steering wheel, adjust sector shaft to remove free-play, reconnect linkage.
- (D) adjust worm shaft bearing preload, adjust sector shaft, reconnect linkage.

6. When traveling straight down the road, the steering wheel of the car is not centered. Technician A says the steering wheel's position should be changed by removing it from the steering column. Technician B says the steering wheel should be turned to center, and the toe-in should be readjusted. (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

7. The front wheels of a car with a torsion bar front suspension are being aligned. Technician A says that the riding (curb) height should be adjusted before caster and camber are adjusted. Technician B says that the riding (curb) height should be adjusted before toe is adjusted. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

8. Too much negative caster on the left front wheel causes the: (A) car to pull left. (B) left tire to wear on the outside edge. (C) car to pull right. (D) left tire to wear on the inside edge.

9. Technician A says that good shock absorbers will allow a vehicle to rebound four or five times during a bounce test. Technician B says a leaking shock absorber should be replaced. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.

10. Technician A says a spring compressor is needed to remove the coil springs from most front suspension systems. Technician B says a spring compressor may not be needed when removing rear coil springs. Who is right? (A) A only. (B) B only. (C) Both A and B. (D) Neither A nor B.