**CDX Distance Learning**

**Exercise #26**

**Suspension Inspection**

**Estimated Completion Time:** 30 mins.

**Student Name:** Click or tap here to enter text.

Viewing the animations will be required to answer the following questions correctly. Read each question, or set of questions, and use the link provided to open the animation. Follow the directions in the questions and select the correct answer by clicking or tapping the check box next to it. When complete, close the animation window and move on to the next question(s).

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_ShkInsp_AS1_C1/SS_ShkInsp_AS1_C1/SS_ShkInsp_AS1_C1.html) when answering the following two questions:

1. What test is being performed?
	1. Steering system test [ ]
	2. Suspension system test [ ]
	3. Tire condition test [ ]
	4. Shock absorber test [ ]
2. Click the **Test** button and observe the vehicle’s reaction. What does the test result likely indicate?
	1. The tire pressure is low [ ]
	2. The shock absorber is okay [ ]
	3. The steering system has excessive play [ ]
	4. The shock absorber is excessively worn [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_ShkInsp_AS2_C1/SS_ShkInsp_AS2_C1/SS_ShkInsp_AS2_C1.html) when answering the following question:

1. Click the **Test** button and observe the vehicle’s reaction. What does the test result likely indicate?
	1. The tire pressure is low [ ]
	2. The shock absorber is okay [ ]
	3. The steering system has excessive play [ ]
	4. The shock absorber is excessively worn [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SteerInsp_AS1_C1/SS_SteerInsp_AS1_C1/SS_SteerInsp_AS1_C1.html) when answering the following two questions:

1. What test is being performed?
	1. Steering system test [ ]
	2. Suspension system test [ ]
	3. Tire condition test [ ]
	4. Shock absorber test [ ]
2. What does the test result likely indicate?
	1. The suspension system has excessive play [ ]
	2. The suspension system is okay [ ]
	3. The steering system has excessive play [ ]
	4. The steering system is okay [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SteerInsp_AS2_C1/SS_SteerInsp_AS2_C1/SS_SteerInsp_AS2_C1.html) when answering the following question:

1. What does the test result likely indicate?
	1. Excessive play in the steering column [ ]
	2. Excessive play in the suspension system [ ]
	3. Excessive play in the right side (passenger) steering linkage [ ]
	4. Excessive play in the left side (driver) steering linkage [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SteerInsp_AS3_C1/SS_SteerInsp_AS3_C1/SS_SteerInsp_AS3_C1.html) when answering the following question:

1. What does the test result likely indicate?
	1. Excessive play in the steering column [ ]
	2. Excessive play in the suspension system [ ]
	3. Excessive play in the right side (passenger) steering linkage [ ]
	4. Excessive play in the left side (driver) steering linkage [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SteerInsp_AS4_C1/SS_SteerInsp_AS4_C1/SS_SteerInsp_AS4_C1.html) when answering the following question:

1. What does the test result likely indicate?
	1. Excessive play in the rack and pinion [ ]
	2. Excessive play in the suspension system [ ]
	3. Excessive play in the right side (passenger) steering linkage [ ]
	4. Excessive play in the left side (driver) steering linkage [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SusInsp_AS1_C1/SS_SusInsp_AS1_C1/SS_SusInsp_AS1_C1.html) when answering the following five questions:

1. What type of suspension system is shown?
	1. MacPherson strut [ ]
	2. Short arm/long arm [ ]
	3. Torsion bar [ ]
	4. Straight axle [ ]
2. Which ball joint is the loaded ball joint?
	1. Upper [ ]
	2. Lower [ ]
	3. Both [ ]
	4. None [ ]
3. Why is the jacking point where it is for this type of suspension?
	1. To unload the steering linkage [ ]
	2. To unload the shock absorbers [ ]
	3. To unload the ball joints [ ]
	4. To unload the tires [ ]
4. What test is being performed?
	1. Steering system test [ ]
	2. Suspension system test [ ]
	3. Tire condition test [ ]
	4. Shock absorber test [ ]
5. What does the test result likely indicate?
	1. Excessive play in the steering linkage [ ]
	2. Excessive play in the shock absorber [ ]
	3. Excessive play in the wheel bearings [ ]
	4. Excessive play in the tire(s) [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SusInsp_AS2_C1/SS_SusInsp_AS2_C1/SS_SusInsp_AS2_C1.html) when answering the following two questions:

1. What type of suspension system is shown?
	1. MacPherson strut [ ]
	2. Short arm/long arm [ ]
	3. Torsion bar [ ]
	4. Straight axle [ ]
2. Which ball joint is the loaded ball joint?
	1. Upper [ ]
	2. Lower [ ]
	3. Both [ ]
	4. None [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SusInsp_AS5_C1/SS_SusInsp_AS5_C1/SS_SusInsp_AS5_C1.html) when answering the following three questions:

1. What type of suspension system is shown?
	1. MacPherson strut [ ]
	2. Short arm/long arm [ ]
	3. Torsion bar [ ]
	4. Straight axle [ ]
2. Which ball joint is the loaded ball joint?
	1. Upper [ ]
	2. Lower [ ]
	3. Both [ ]
	4. None [ ]
3. What is the top ball joint called?
	1. Loaded ball joint [ ]
	2. Vertical ball joint [ ]
	3. Follower ball joint [ ]
	4. Pivoting ball joint [ ]

Please use [**this animation**](http://d2jw81rkebrcvk.cloudfront.net/assetscdx2/202003%20-%20COVID/Assessments/MS/ANIM/SS/SS_SusInsp_AS6_C1/SS_SusInsp_AS6_C1/SS_SusInsp_AS6_C1.html)when answering the following two questions:

1. What type of spring does this suspension use?
	1. Coil spring [ ]
	2. Torsion bar spring [ ]
	3. Leaf spring [ ]
	4. Diaphragm spring [ ]
2. What does the test result likely indicate?
	1. Excessive play in the upper ball joint [ ]
	2. Excessive play in the lower ball joint [ ]
	3. Excessive play in the wheel bearings [ ]
	4. Excessive play in the tire(s) [ ]