

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What two items should be checked when inspecting a drive shaft?

2) What steps are necessary to measure drive shaft U-joint working angles?

3) How is an a CV joint replaced?

4) What is a prevailing torque nut?

5) What is the procedure for replacing a Cardan-type U-joint?

Answer Key

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- 1) The two items that should be checked when inspecting a drive shaft include checking for dents or creases, and undercoating or grease buildup.
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- 2) Use an inclinometer on the rear U-joint and record the angle, then rotate the driveshaft 90° and record the angle again. Subtract the larger from the smaller to determine the working angle of the U-joint.
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- 3) The steps needed to replace a CV joint include:
 - Step 1 - Remove the front wheel and hub nut.
 - Step 2 - Separate the ball-joint or strut to allow the steering knuckle room to move outward.
 - Step 3 - Remove the splined end of the axle from the hub bearing, then remove the inner joint from the transaxle.
 - Step 4 - Disassemble, clean, and inspect all CV joint parts and replace any worn parts.
 - Step 5 - Fill the CV joint with the specified grease and "burp" out any trapped air. Tighten the boot retainer and reinstall the drive axle shaft.Page Ref: 1619-1623
- 4) Prevailing torque nuts are slightly deformed or contain a plastic insert that holds the nut tight (retains the torque) to the shaft without loosening.
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- 5) A Cardan-type U-joint is replaced by first removing any snap rings and using a press to separate the U-joint from the yoke. After removing any dirt or burrs from the yoke, press in a new joint.
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