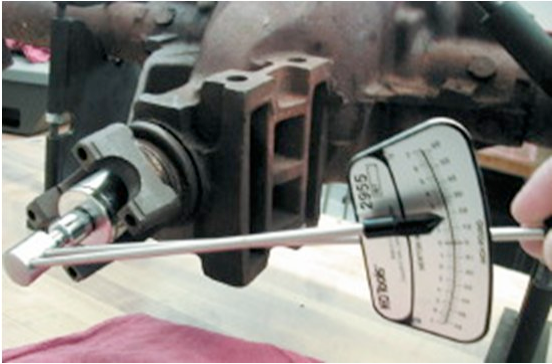


Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

1) What is being measured in this photograph?

1) \_\_\_\_\_



- A) Pinion nut torque
- B) Pinion bearing preload
- C) Axle bearing preload
- D) None of these

2) Inside the drive axle of a rear-wheel-drive vehicle, the ring gear is attached to the \_\_\_\_\_.

2) \_\_\_\_\_

- A) drive shaft
- B) pinion gear
- C) differential case
- D) spider gears

3) The backlash is less than specifications (too low). This will cause the ring gear tooth pattern to be too close to the \_\_\_\_\_.

3) \_\_\_\_\_

- A) heel
- B) flank
- C) toe
- D) face

4) Where are straight roller bearings used in a rear drive axle?

4) \_\_\_\_\_

- A) Pinion bearings
- B) Spider gear bearings
- C) Ring gear bearings
- D) Axle bearings

5) The shim used on a drive pinion gear is used to properly position the gear so that it can correctly mesh with the \_\_\_\_\_.

5) \_\_\_\_\_

- A) ring gear
- B) side gear
- C) differential pinion gears
- D) both B and C

- 6) Ring gear runout should be less than \_\_\_\_\_ as measured by a dial indicator. 6) \_\_\_\_\_  
A) 0.020 inch  
B) 0.002 inch  
C) 1/10th of an inch  
D) 1/20th of an inch
- 7) Technician A says that the convex side of the ring gear is the drive side on most rear axle assemblies. Technician B says that the convex side of the ring gear is the drive side on differentials used in the front of many four-wheel-drive vehicles. Which technician is correct? 7) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 8) What supports the pinion gear in the differential housing? 8) \_\_\_\_\_  
A) Tapered roller bearings  
B) Bronze bushings  
C) Ball bearings  
D) Rubber bushings
- 9) Which of the following is TRUE of drive pinion mounting? 9) \_\_\_\_\_  
A) The overhung pinion can be supported by opposed straight roller bearings.  
B) All support for the pinion shaft comes from two preloaded bearings on a straddle mounted drive pinion.  
C) A compressible spacer separating the two inner races supports an overhung pinion.  
D) Pinion depth does not require adjustment.
- 10) A growling sound is heard from the rear of a rear-wheel-drive vehicle during cornering only. Technician A says that defective rear axle bearings may be the cause. Technician B says that defective drive pinion bearings may be the cause. Which technician is correct? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician

## Answer Key

Testname: AT6\_130A

1) B

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2) C

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3) C

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4) D

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5) A

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6) B

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7) A

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8) A

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9) C

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10) A

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