

North Montco Technical Career Center

ASE Practice Test 3 Manual Drivetrain and Axles

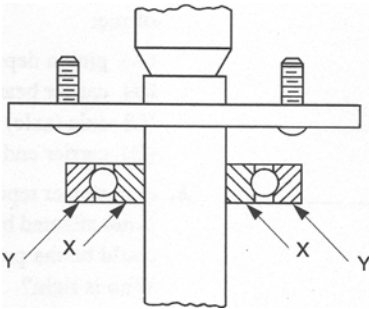
Name: _____

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

Date: _____

1. The rear axle bearing pictured is being pressed onto the axle. Where should pressure be applied?

- (A) At points X only.
- (B) At points Y only.
- (C) At both points X and Y.
- (D) At none of the points.



2. Each of the following can cause hard shifting into gear except:

- (A) worn synchronizers (blocker rings).
- (B) worn extension housing bushing.
- (C) clutch not releasing completely.
- (D) linkage out of adjustment.

3. In a four-speed, fully synchronized transmission, there is a knocking or clunking noise in first gear. Technician A says a broken tooth located on the input gear could be the cause. Technician B says a broken tooth located on the countershaft (cluster) gear or the mainshaft first gear could be the cause. Who is right?

- (A) A only. (B) B only. (C) Both A and B.
- (D) Neither A nor B.

4. Technician A says a misaligned shift rod can cause manual transmission leaks. Technician B says worn bearings can cause manual transmission leaks. Who is right?

- (A) A only. (B) B only. (C) Both A and B.
- (D) Neither A nor B.

5. The owner of a vehicle with a manual transmission complains of a pulsating clutch pedal. Technician A says a warped flywheel often causes this condition. Technician B says a misaligned clutch housing can cause this condition. Who is right?

- (A) A only. (B) B only. (C) Both A and B.
- (D) Neither A nor B.

6. Clutch linkage adjustment is usually done at the:

- (A) clutch fork push rod.
- (B) clutch cross shaft.
- (C) clutch pedal stop.
- (D) None of the above.

7. One reason for making a rear end gear tooth contact pattern is to check the adjustment of the:

- (A) pinion depth.
- (B) carrier bearing preload.
- (C) side (axle) gear clearance.
- (D) carrier endplay.

8. A customer reports that there is a noise from the rear of the car. It is a constant whine that is not affected by deceleration or acceleration. Technician A says that badly worn U-joints could be the problem. Technician B says that ring gear backlash could be the problem. Who is right?

- (A) A only. (B) B only. (C) Both A and B.
- (D) Neither A nor B.

9. _____ is generally the first indication of worn universal joints.

- (A) lubricant leakage.
- (B) transmission overheating.
- (C) noise, especially in reverse.
- (D) transmission slipping out of gear.

10. When disassembling the differential, bearing caps should be:

- (A) removed with a puller.
- (B) honed.
- (C) marked for reassembly.
- (D) None of the above.