

Name _____

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

1) What are the parts of a typical clutch assembly?

2) Which of the following is the cause of a noise: pilot bearing, throwout (release) bearing, and input shaft bearing.

3) What happens when the driver depresses the clutch pedal?

4) Why is a dual-mass flywheel used on some vehicles?

5) What is meant by clutch pedal freeplay?

Answer Key

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- 1) A clutch assembly consists of the pressure plate, friction disc, and release bearing.
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- 2) With the engine running and the transmission/transaxle in neutral and the clutch engaged (clutch pedal up), the input shaft bearing is the cause of any growl or grinding noise heard. If a chirping sound is heard as the clutch pedal is depressed, a worn fork or pivot is indicated. If the noise gets louder as you depress the clutch, the release bearing is the problem.
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- 3) When the driver depresses the clutch pedal, the release bearing is forced toward the flywheel pressing against the pressure plate, which in turn releases the force on the friction disc.
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- 4) A dual mass flywheel is used on many luxury vehicles and vehicles equipped with diesel engines to dampen engine firing impulses that can cause a vibration in the shift lever.
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- 5) Clutch pedal freeplay is the amount of clutch pedal movement that does not result in any movement of the release bearing. This freeplay is often specified to be sure that the clutch is fully released.
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