

Name _____

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

1) What parts are normally replaced as part of a clutch job?

2) What should be lubricated during clutch replacement?

3) How is clutch pedal free travel measured?

4) How is a clutch spin-down test performed?

Answer Key

Testname: MDA8_SHORT5

1) Clutch replacement normally involves replacing four items:

1. Pressure plate assembly
2. Clutch disc
3. Release bearing
4. Pilot bearing

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2) Three places may require lubrication including:

1. Roller type pilot bearings with exposed rollers should be lubricated with a thin film of grease or a few drops of engine oil is all that is needed on a sintered bushing.
2. Fill the groove inside the bore of the release bearing with grease, apply a thin film of the specified high temperature grease on the fork contact areas.
3. Place a very thin film of grease on the clutch splines.

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3) Measure the free travel with a ruler or tape. Compare the distance measured with the specifications. Free travel that is more or less than the specifications indicates the need for a clutch adjustment.

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4) Clutch spin-down is the time it takes for the clutch disc and transmission gears to spin to a stop when the clutch is released. This time will vary depending on clutch disc diameter and transmission drag. To check clutch spin-down, perform the following steps:

STEP 1 Check and adjust clutch pedal free travel.

STEP 2 Warm up the engine and transmission to operating temperatures.

STEP 3 With the engine running at idle speed and the transmission in neutral, push in the clutch pedal, wait 9 seconds, and shift the transmission into reverse (a non- synchronized gear). The shift should occur silently. Gear clash or grinding indicates a dragging clutch that has not released completely. If a clutch fails the spin-down check, it likely needs to be replaced.

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