

Name _____

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

1) How are the transaxle gears lubricated?

2) What type of transaxle bearing requires selective shims to provide the proper preload?

3) The final drive gears of a typical transaxle use what type of gears?

4) What is the major difference between a rear-wheel-drive manual transmission and a front-wheel-drive manual transaxle?

Answer Key

Testname: MDA8_SHORT7

1) Transaxles use a supply of oil in the sump at the bottom of the case that is circulated by gear rotation. This type of lubrication is called splash lubrication.

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2) On transaxles that use tapered roller bearings, bearing clearance or preload is adjusted by selecting the correct size of shim to place at the bearing or bearing cup. The selective shim is positioned under the bearing cup in the case. A selective shim means that there are several different thickness shims available that can be inserted behind the bearing to provide the specified bearing preload.

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3) The drive pinion and ring gear are a pair of helical gears. This gear set operates quietly and does not require critical adjustments like a hypoid gear set.

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4) Most front-wheel-drive vehicles have transverse-mounted engines, and the engine transmission package must fit in the vehicle between the suspension components. Many transaxles have the differential mounted off center which results in unequal-length drive shafts.

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