1) vvna 	t needs to be done with a planetary gear set to achieve neutral?
 2) Wha	t type of gears do the Hondamatic and the Saturn transaxle automatic transmission (TAAT) use?
3) Wha	t is the difference between a non-synchronous and synchronous design?
 1) In a յ	planetary gear set, what needs to be done to achieve the various gear ratios and reverse?

Answer Key

Testname: ATT7_SHORT6

1) If no member is held (locked), then there is no output (neutral).

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- 2) The Hondamatic and the Saturn transaxle automatic transmission (TAAT) use constant-mesh helical gears, much like those in a manual transmission like those in a manual transmission.

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- 3) A synchronous design transmission means that during an upshift, the new driving or reaction member must be timed or synchronized with the release of a driving or reaction member. The band used in synchronous designs must be released at an exact time for the upshift, and it must reapply at the exact time during a downshift. Nonsynchronous transmission is a unit that uses a one-way clutch to allow an upshift that requires only the application of the next driving or reaction member.

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- 4) In a planetary gear set, the following operations are done in order to achieve the various gear ratios and reverse.
 - One of the members is being driven (input).
 - One of the members is being held (reaction member).
 - One of the members is the output.

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5) If any two members are locked together, then the resulting output is 1:1 ratio in the same direction as the input. Page Ref: 73