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# **AUTOMATIC TRANSMISSIONS**

## **MICHIGAN MECHANIC STUDY GUIDE**

WHICH OF THESE PARTS WOULD LIKELY BE FOUND IN THE VALVE BODY? -

answer ALL OF THE ABOVE

WHAT IS THE FIRST STEP TO PROPERLY DIAGNOSE AN IMPROPERLY SHIFTING TRANSMISSION? - answer A. CHECK THE THROTTLE CABLE ADJUSTMENT (NOT THE ANSWER).

B. CHECK THE TORQUE CONVERTER OPERATION

C. VERIFY PROPER ENGINE OPERATING CONDITION. (CORRECT ANSWER)

D. VERIFY PROPER LINE PRESSURES

GEAR TRAIN END PLAY CAN BE ADJUSTED BY? - answer A. SELECTING CORRECT THICKNESS SHIMS (CORRECT ANSWER)

B. ADJUSTING THE LENGTH OF THE SERVO STEM (NOT THE ANSWER)

C. ADDING OR REMOVING CLUTCH PLATES

D. ADJUSTING THE PUMP POSITION

THE PICTURE BELOW SHOWS A DEVICE FOR - answer A. CONTROLLING BAND APPLICATION

B. COMPENSATING GOVERNOR PRESSURE

C. COMPENSATING LINE PRESSURE (POSSIBLE CORRECT ANSWER)

D. APPLYING A CLUTCH PACK ( NOT THE ANSWER)

WHICH OF THE FOLLOWING SIGNALS THE TRANSMISSION TO GO INTO PASSING GEAR? - answer A. A REACTION VALVE OR A BAND RELEASE SENSOR

B. AN ELECTRICAL SWITCH OR MECHANICAL LINKAGE. (POSSIBLE CORRECT ANSWER)

C. A HYDRAULIC CONTROL OR A TORQUE SENSOR

D. A GOVERNOR VALVE OR A SHIFT CLUTCH (NOT THE ANSWER)

DURING A ROUTINE MAINTENANCE SERVICE, YOU NOTICE THAT THE TRANSMISSION FLUID IS A DARK RED COLOR AND THE REAR SEAL IS LEAKING (THE PAN IS CLEAN). THE VEHICLE AND TRANSMISSION HAVE 65,000 MILES ON THEM WITH NO SHIFTING PROBLEMS. WHAT SHOULD YOU DO NEXT? - answer

A. REMOVE THE CONVERTER AND FLUSH IT

B. REMOVE THE TRANSMISSION SINCE IT WILL HAVE TO BE OVERHAULED

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**ML Morrison**



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