

Automatic Transmission/Transaxle Band and Servo Operation, Maintenance and Adjustments

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North Montco
Technical Career Center

1. Technician A says an improper shift linkage adjustment may cause premature transmission clutch failure. Technician B says an improper shift linkage adjustment may cause higher than normal fluid pressure. Who is correct?

- a) A only
- b) B only
- c) Both A and B
- d) Neither A nor B

Try Again!

Please go back and try again

Correct!

A misadjusted manual shift valve may cause low pressure.

Please go to next question!



2. When the throttle valve is improperly adjusted so throttle pressure is higher than normal, the transmission shift will occur:

- a) At lower vehicle speed than specified
- b) At the specified speed
- c) At the same speed
- d) At a higher speed then specified

Try Again!

Please go back and try again

Correct!

High transmission pressure caused by a misadjusted throttle cable will result in a vehicle shifting at a higher speed than specified by the manufacturer.

Please go to next question!



3. An improper band adjustment may cause:

- a) Shifts at a lower speed than specified
- b) Transmission slipping in some gears
- c) Shifts at a higher speed than specified
- d) Transmission slipping in all gears

Try Again!

Please go back and try again

Correct!

Shift timing is a function of throttle and governor pressure. Because bands are not applied in all gears, improper band adjustment will only cause the transmission to slip in only some gears.

Please go to next question!

4. Technician A says that transmissions filters may be cleaned and reused. Technician B says that transmission fluid oxidizes faster at lower temperatures. Who is correct?

- a) A only
- b) B only
- c) Both A and B
- d) Neither A nor B

Try Again!

Please go back and try again

Correct!

Transmission filters should be replaced, not cleaned and reused.
Transmission fluid oxidizes faster at *higher* temperatures.

Please go to next question!

5. A vehicle is operating where the temperature is 0° and the transmission has a vacuum modulator. The transmission has experienced repeated clutch seal failures. The Technician A says moisture may be freezing in the modulator diaphragm. Technician B says the manual valve may need adjusting. Who is correct?

- a) A only
- b) B only
- c) Both A and B
- d) Neither A nor B

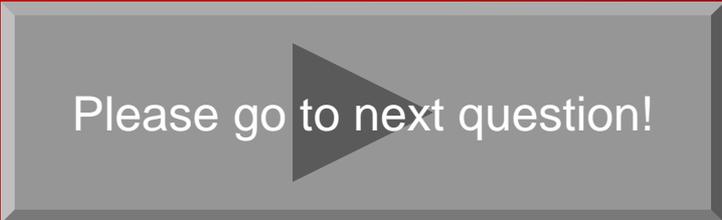
Try Again!

Please go back and try again

Correct!

If moisture freezing in modulator diaphragm , vacuum cannot act on the diaphragm causing high pressure and repeated clutch piston failure.

Please go to next question!



6. A transaxle experiences repeated pump seal failures. The Technician A pump body bushing may be worn. Technician B says governor pressure is higher than specified. Who is correct?

- a) A only
- b) B only
- c) Both A and B
- d) Neither A nor B

Try Again!

Please go back and try again

Correct!

A worn pump body bushing allows excessive torque converter hub movement which will damage a seal. The governor pressure affects shift timing and quality.

Please go to next question!

7. With the engine idling, the ATF flow through a transmission cooler should be:

- a) One quart in 60 seconds
- b) One pint in 60 seconds
- c) One quart in 40 seconds
- d) One quart in 20 seconds

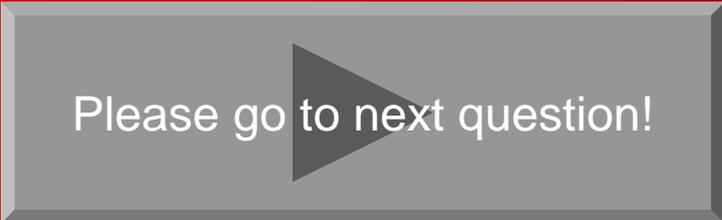
Try Again!

Please go back and try again

Correct!

With the engine idling, the ATF flow through a transmission cooler should be one quart in 20 seconds.

Please go to next question!



8. An erratic speedometer could be caused by all of these problems EXCEPT:

- a) Missing drive gear retaining clip
- b) Dry speedometer cable
- c) Worn Speedometer gears
- d) Worn driven gear retaining bushing

Try Again!

Please go back and try again

Correct!

A dry speedometer cable, worn speedometer gears or a worn driven gear retaining bushing can cause erratic speedometer operation

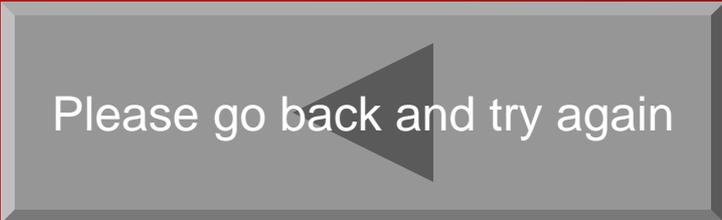
Please go to next question!

9. The clearance between the valves and matching valve body bores should not exceed:

- a) 0.001 in.
- b) 0.003 in.
- c) 0.005 in.
- d) 0.008 in.

Try Again!

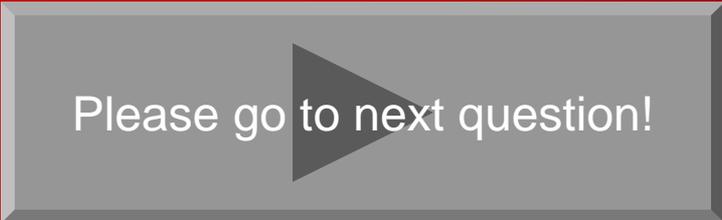
Please go back and try again



Correct!

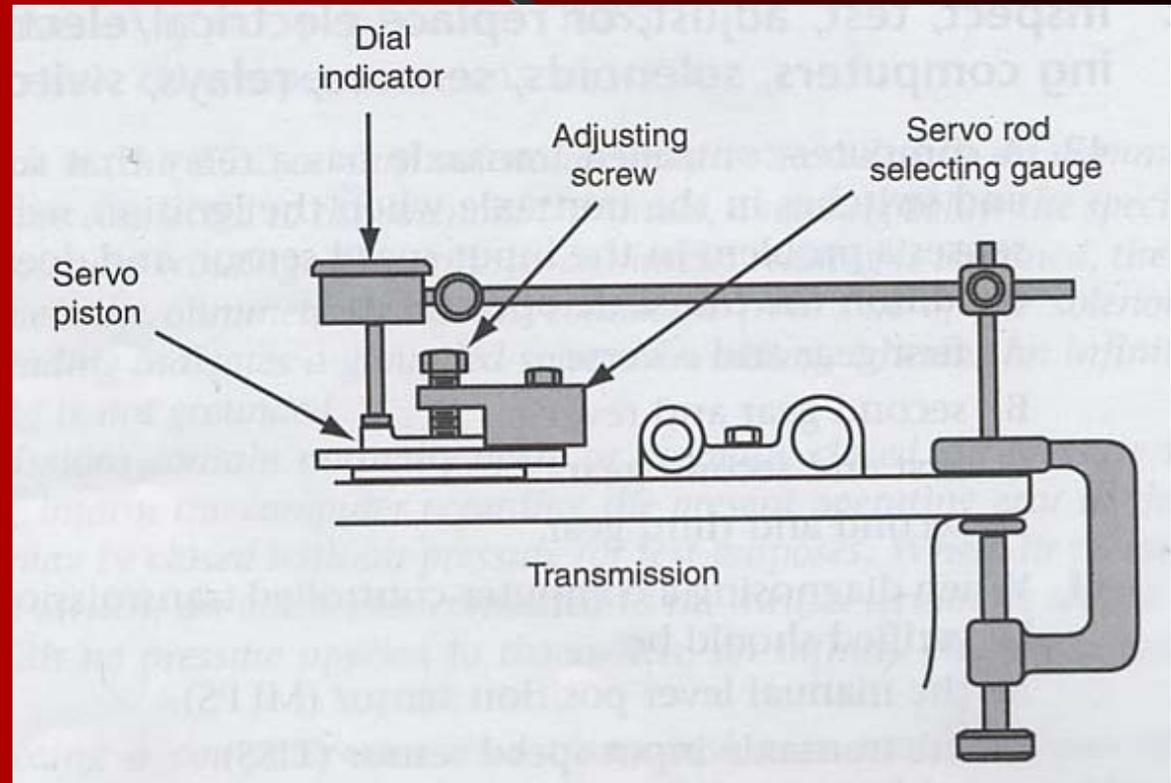
The clearances of a valve to the matching valve bore inside a transmission valve body should not exceed 0.001 in.

Please go to next question!



10. The set-up shown below is to determine the proper:

- a) Servo pin thickness
- b) Band anchor length
- c) Servo piston selection pin
- d) Servo piston adjustment



Try Again!

Please go back and try again

Correct!

Servo piston thickness and band anchor length are not measured. In this illustration, the measurement being made is to determine the correct servo piston selective pin.

A rectangular button with a light gray background and a dark gray border. It features a dark gray right-pointing triangle on the left side, followed by the text "Click to exit" in white.

Click to exit

Nice going!

