

Pressure

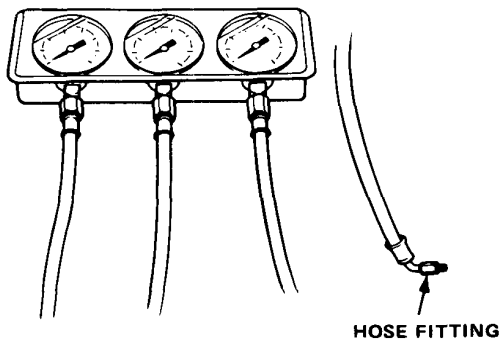
Testing

CAUTION: Before testing, be sure transmission is filled to proper level.

NOTE:

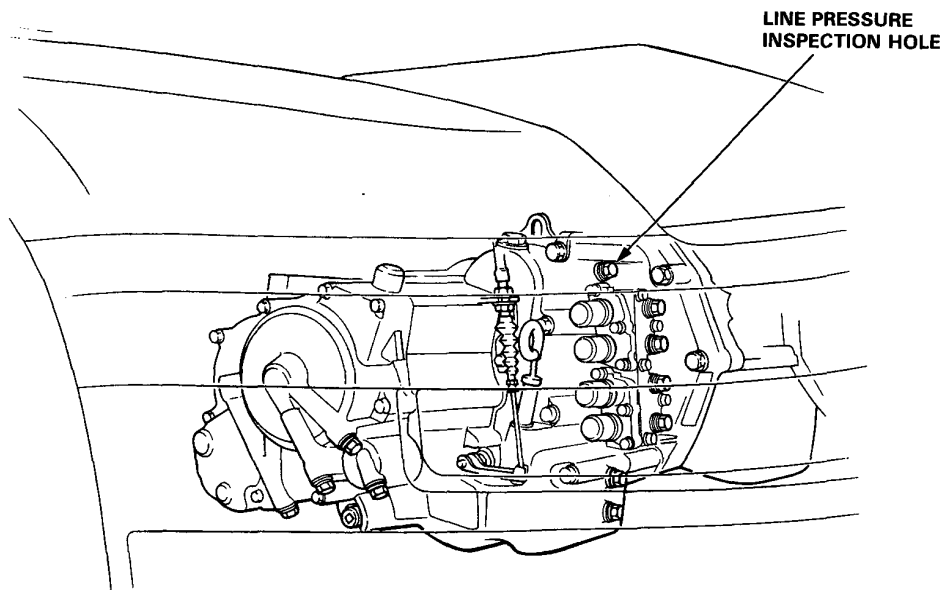
- Stop engine when attaching hoses for pressure tests.
Torque hose fitting to 18 N·m (1.8 kg-m, 12 lb-ft).
- Do not reuse aluminum washers.

GAUGE SET 07406—0020003
(includes pressure hose set 07406—0020201)



Line Pressure Measurement

- Set the parking brake securely.
- Run the engine at 2,000 min⁻¹ (rpm).

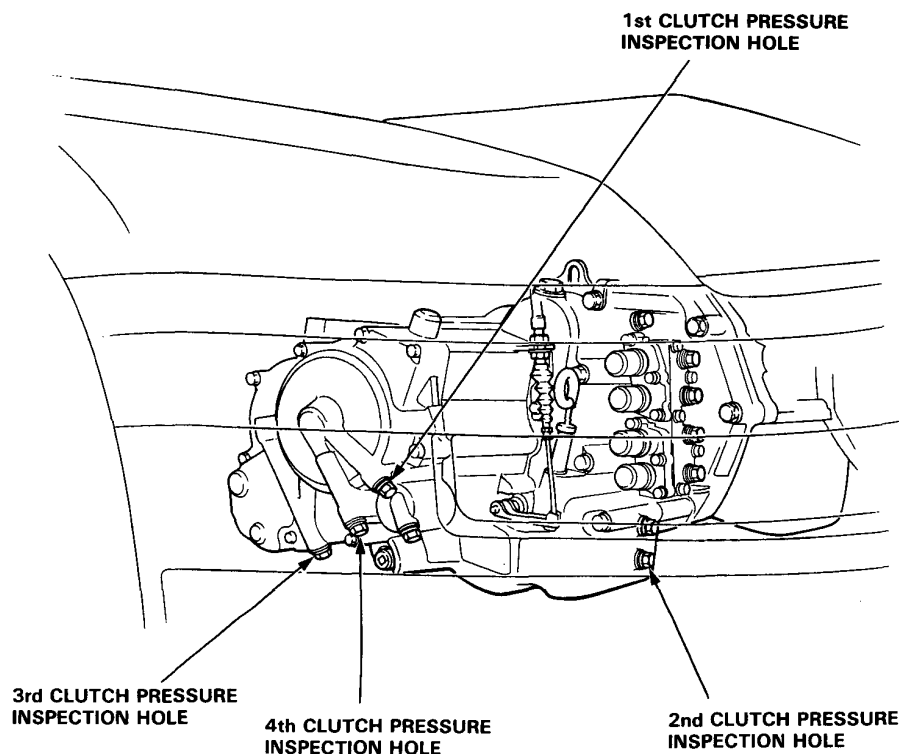


PRESSURE	SELECTOR POSITION	PROBABLE CAUSE	FLUID PRESSURE			
			FUEL-INJECTED ENGINE		CARBURETED ENGINE	
			Standard	Service limit	Standard	Service limit
Line	N or P	Torque converter, oil pump pressure regulator, torque converter check valve, oil pump	834—883 kPa (8.5—9.0 kg/cm ² , 121—128 psi)	785 kPa (8.0 kg/cm ² , 114 psi)	760—809 kPa (7.75—8.25 kg/cm ² , 110—117 psi)	711 kPa (7.25 kg/cm ² , 103 psi)



Clutch Pressure Measurement

- Set the parking brake securely and block the wheels.
- Jack up the front of the car and support it with a rigid rack.
- Run the engine at 2,000 min⁻¹ (rpm).



PRESSURE	SELECTOR POSITION	SYMPTOM	PROBABLE CAUSE	FLUID PRESSURE kPa (kg/cm ² , psi)			
				FUEL-INJECTED ENGINE		CARBURETED ENGINE	
				Standard	Service limit	Standard	Service limit
1st Clutch	[S] or [D]	No or low 1st pressure	1st Clutch	834—883 (8.5—9.0, 121—128)	785 (8.0, 114)	760—809 (7.75—8.25, 110—117)	711 (7.25, 103)
2nd Clutch	[2]	No or low 2nd pressure	2nd Clutch				
2nd Clutch	[S] or [D]	No or low 2nd pressure	2nd Clutch	471 — 883 (4.8, 68) — (9.0, 128)	422 (4.3, 61) with throttle lever closed. 785 (8.0, 114) with throttle lever in 3/8 opened or more.	471 — 809 (4.8, 68) — (8.25, 117)	422 (4.3, 61) with throttle lever closed. 711 (7.25, 103) with throttle lever in 3/8 opened or more.
3rd Clutch	[S] or [D]	No or low 3rd pressure	3rd Clutch				
4th Clutch	[S] (with S4 switch in operation or [D])	No or low 4th pressure	4th Clutch	Throttle control lever fully closed	785 (8.0, 114)	Throttle control lever fully closed	711 (7.25, 103)
	[R]		Servo valve or 4th Clutch	834—883 (8.5—9.0, 121—128)		760—809 (7.75—8.25, 110—117)	

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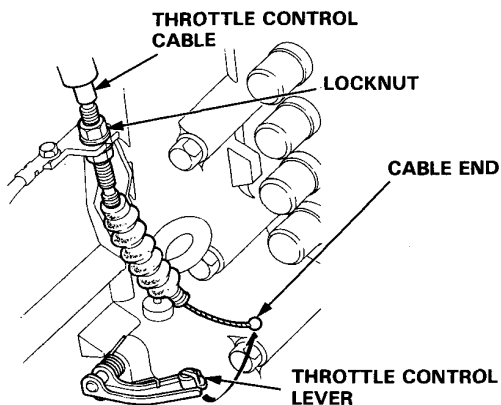
Pressure

Testing (cont'd)

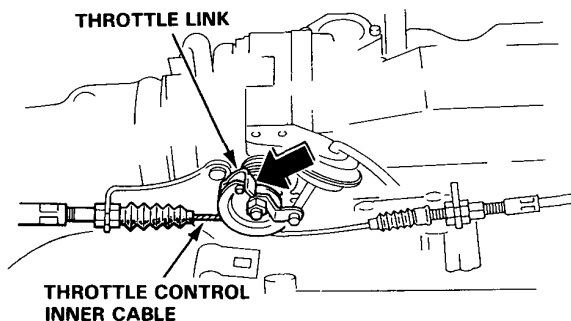
Clutch Low/High Pressure Test

1. Raise the car and support with safety stands.
2. Attach the gauge set to the appropriate pressure test port.
3. Remove the cable end of the throttle control lever.

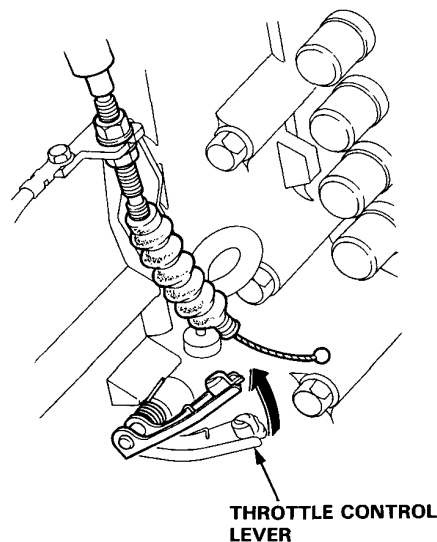
NOTE: Do not loosen the locknuts, simply unhook the cable end.



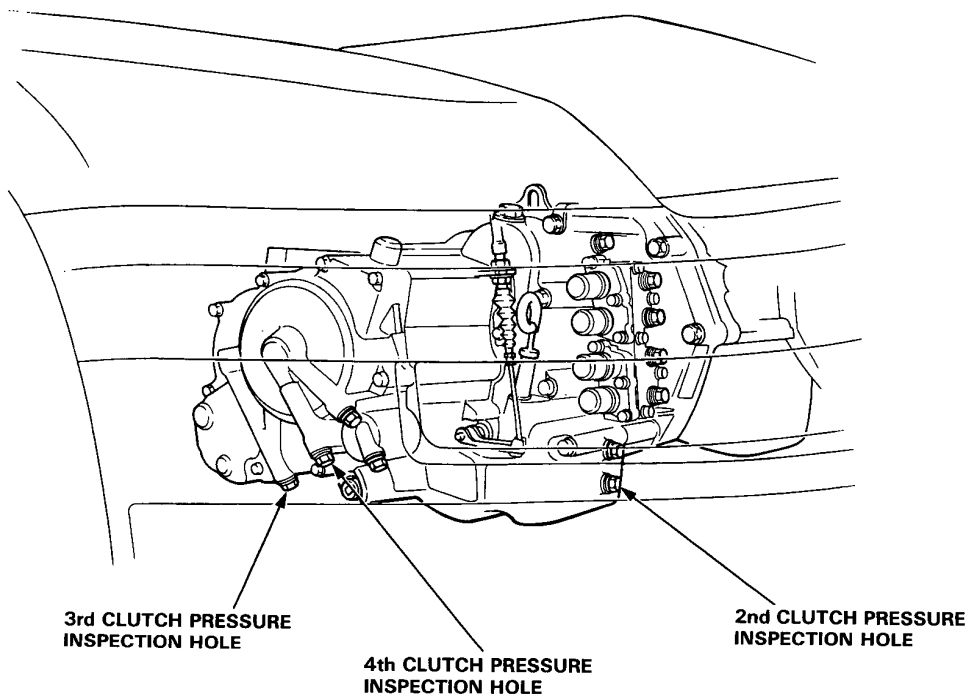
4. Warm up the engine to normal operating temperature (cooling fan comes on).
5. With the engine idling, move the selector lever to S or D.
6. Slowly move the throttle linkage to increase engine rpm until pressure is indicated on the appropriate gauge. Then release the throttle linkage, allowing the engine to return to an idle, and record the pressure reading.
7. Repeat step 6 for each clutch pressure being inspected.



8. With the engine idling, lift the throttle control lever up approximately 1/2 of its possible travel and increase the engine rpm until pressure is indicated on the appropriate gauge. Record the highest pressure reading obtained.



9. Repeat step 8 for each clutch pressure being inspected.



PRESSURE	SELECTOR POSITION	SYMPTOM	PROBABLE CAUSE	FLUID PRESSURE kPa (kg/cm ² , psi)			
				FUEL-INJECTED ENGINE		CARBURETED ENGINE	
				Standard	Service limit	Standard	Service limit
2nd Clutch	S or D	No or low 2nd pressure	2nd Clutch	471 — 883 (4.8, (9.0, 68) 128)	422 (4.3, 61) with throttle lever released. 785 (8.0, 114) with throttle lever in 3/8 opened or more.	471 — 809 (4.8, (8.25, 68 117)	422 (4.3, 61) with throttle lever released. 711 (7.25, 103) with throttle lever in 3/8 opened or more
3rd Clutch	S or D	No or low 3rd pressure	3rd Clutch				
4th Clutch	D	No or low 4th pressure	4th Clutch				

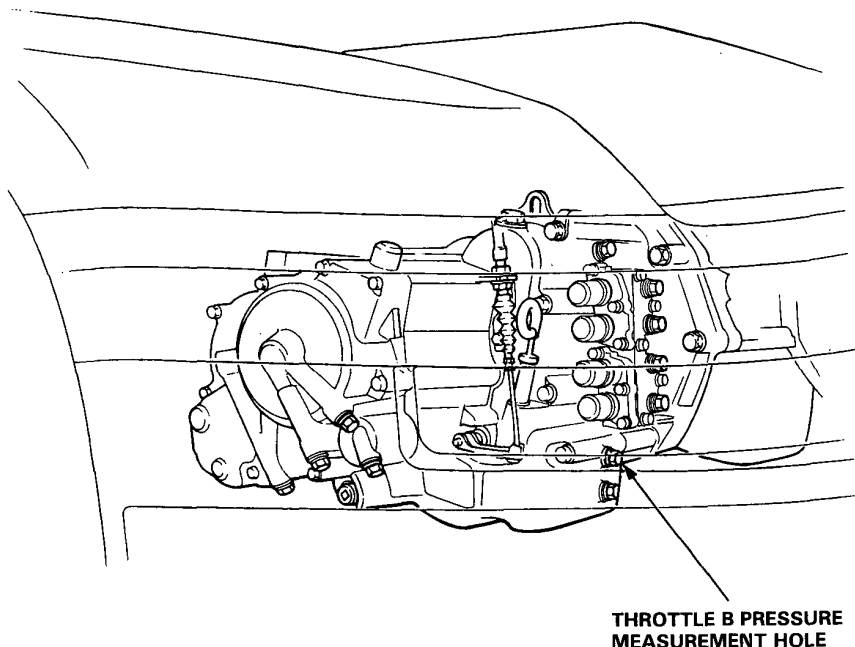
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Pressure

Testing (cont'd)

Throttle B Pressure Measurement

- Set the parking brake securely and block the wheels.
- Run the engine at 1,000 min⁻¹ (rpm).
- Disconnect the throttle control cable from the throttle lever and set the control lever in full throttle position.

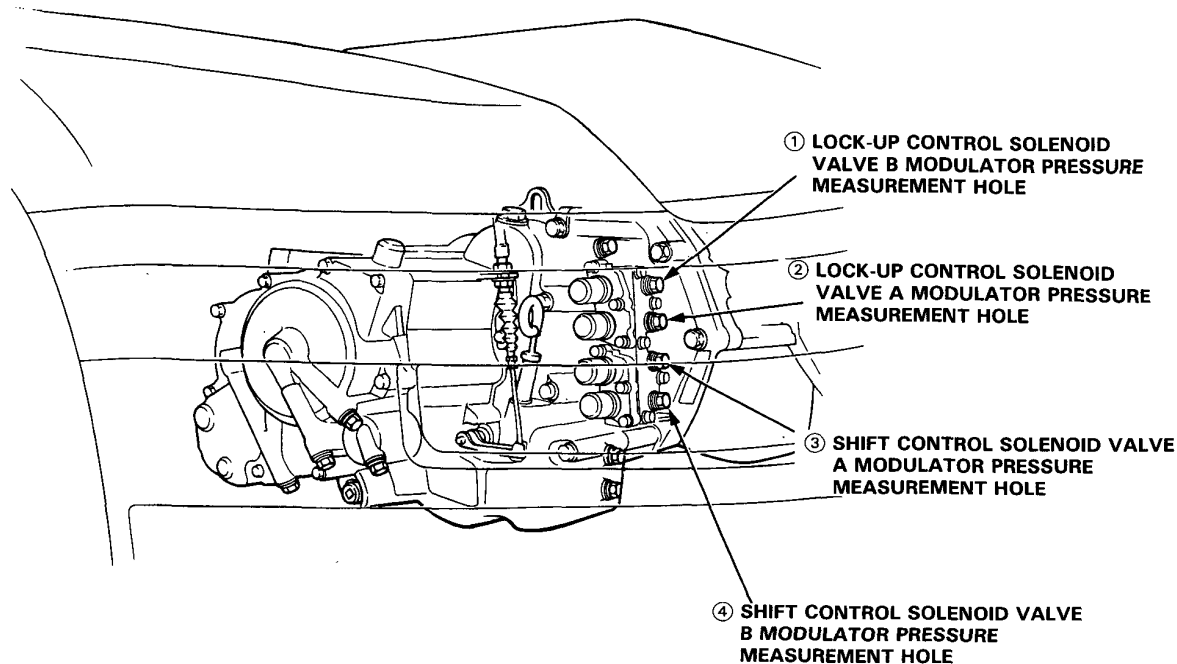


PRESSURE	SELECTOR POSITION	SYMPTOM	PROBABLE CAUSE	FLUID PRESSURE kPa (kg/cm ² , psi)			
				FUEL-INJECTED ENGINE		CARBURETED ENGINE	
				Standard	Service limit	Standard	Service limit
Throttle B	S or D	No (or low) Throttle B pressure	Throttle valve B	0 (close) 834–883 (8.5–9.0, 121–128) (fully opened) Enclosed in parenthesis are throttle control lever opening angles.	— 785 (8.0, 114) (fully opened) Enclosed in parenthesis are throttle control lever opening angles.	0 (close) 760–809 (7.75–8.25, 110–117) (fully opened) Enclosed in parenthesis are throttle control lever opening angles.	— 711 (7.25, 103) (fully opened) Enclosed in parenthesis are throttle control lever opening angles.



Modulator Pressure Measurement

- Set the parking brake securely and block the wheels.
- Start the engine and run in $2,000 \text{ min}^{-1}$ (rpm).
- Measure modulator pressure.



PRESSURE	SELECTOR POSITION	SYMPTOM	PROBABLE CAUSE	FLUID PRESSURE kPa (kg/cm ² , psi)	
				Standard	Service Limit
Modulator Pressure	N or P	No or low ① pressure	Lock-up Control Solenoid Valve B	471—510 (4.8—5.2, 68—74)	422 (4.3, 61)
		No or low ② pressure	Lock-up Control Solenoid Valve A		
		No or low ③ pressure	Shift Control Solenoid Valve A		
		No or low ④ pressure	Shift Control Solenoid Valve B		
		No or low All of ports pressure	Modulator Valve		
		High pressure	Modulator Valve		