

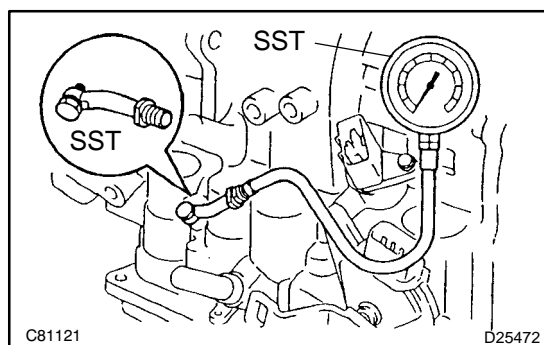
## HYDRAULIC TEST

### 1. PERFORM HYDRAULIC TEST

(a) Measure the line pressure.

#### NOTICE:

- Perform the test at the normal operating ATF (Automatic Transmission Fluid) temperature 50 to 80°C (122 to 176°F).
- The line pressure test should always be carried out in pairs. One technician should observe the conditions of wheels or wheel stopper outside the vehicle while the other is doing the test.
- Be careful to prevent SST's hose from interfering with the exhaust pipe.



- (1) Warm up the ATF.
- (2) Remove the test plug on the front side of the trans-axle case and connect SST.  
SST 09992-00095 (09992- 00231, 09992-00271)
- (3) Fully apply the parking brake and chock the 4 wheels.
- (4) Connect an OBD II scan tool or hand-held tester to the DLC3.
- (5) Start the engine and check idling speed.
- (6) Keep your left foot pressing firmly on the brake pedal and shift into D position.
- (7) Measure the line pressure when the engine is idling.
- (8) Depress the accelerator pedal all the way down. Quickly read the highest line pressure when engine speed reaches stall speed.
- (9) In the same way, do the test in R position.

#### Specified line pressure:

Condition	D position kPa (kgf / cm <sup>2</sup> , psi)	R position kPa (kgf / cm <sup>2</sup> , psi)
Idling	372 to 412 kPa (3.8 to 4.2 kgf/cm <sup>2</sup> , 54 to 60 psi)	672 to 742 kPa (6.9 to 7.6 kgf/cm <sup>2</sup> , 97 to 108 psi)
Stall test	931 to 1,031 kPa (9.5 to 10.5 kgf/cm <sup>2</sup> , 135 to 150 psi)	1,768 to 1,968 kPa (18.0 to 20.0 kgf/cm <sup>2</sup> , 256 to 285 psi)

#### Evaluation:

Problem	Possible cause
If the measured values at all positions are higher	<ul style="list-style-type: none"> <li>• Line pressure control solenoid (SLT) defective</li> <li>• Regulator valve defective</li> </ul>
If the measured values at all positions are lower	<ul style="list-style-type: none"> <li>• Line pressure control solenoid (SLT) defective</li> <li>• Regulator valve defective</li> <li>• Oil pump defective</li> <li>• U/D (Underdrive) direct clutch defective</li> </ul>
If pressure is low in the D position only	<ul style="list-style-type: none"> <li>• D position circuit fluid leak</li> <li>• Forward clutch defective</li> </ul>
If pressure is low in the R position only	<ul style="list-style-type: none"> <li>• R position circuit fluid leak</li> <li>• Direct clutch defective</li> <li>• 1st and reverse brake defective</li> </ul>