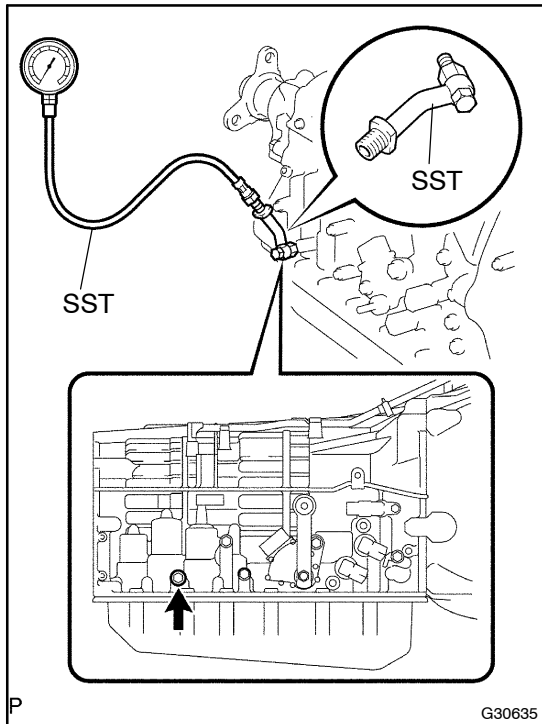


## HYDRAULIC TEST



### 1. PERFORM HYDRAULIC TEST

(a) Measure the line pressure.

#### NOTICE:

- Perform the test at the normal operation fluid temperature the 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 stoppers outside the vehicle while the other is performing the test.
  - Be careful to prevent SST hose from interfering with the exhaust pipe.
  - This check must be conducted after checking and adjusting engine.
  - Perform under condition that A/C is OFF.
  - When conducting stall test, do not continue more than 10 seconds.
    - (1) Warm up the ATF (Automatic Transmission Fluid).
    - (2) Lift the vehicle up.
    - (3) Remove the test plug on the transmission case center right side and connect SST.
- SST 09992-00095 (09992-00231, 09992-00271)
- (4) Fully apply the parking brake and chock the 4 wheels.
  - (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 manner, 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	361 to 421 kPa (3.7 to 4.3 kgf/cm <sup>2</sup> , 52 to 61 psi)	482 to 562 kPa (4.9 to 5.7 kgf/cm <sup>2</sup> , 70 to 82 psi)
Stall test	1,245 to 1,345 kPa (12.7 to 13.7 kgf/cm <sup>2</sup> , 181 to 195 psi)	1,472 to 1,612 kPa (15.0 to 16.4 kgf/cm <sup>2</sup> , 213 to 234 psi)

### Evaluation:

Problem	Possible cause
If the measured values at all position are higher	<ul style="list-style-type: none"> <li>• Shift solenoid valve (SLT) defective</li> <li>• Regulator valve defective</li> </ul>
If the measured values at all position are lower	<ul style="list-style-type: none"> <li>• Shift solenoid valve (SLT) defective</li> <li>• Regulator valve defective</li> <li>• Oil pump 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>• Clutch No.1 (C<sub>1</sub>) 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>• Clutch No.3 (C<sub>3</sub>) defective</li> <li>• Brake No.4 (B<sub>4</sub>) defective</li> </ul>