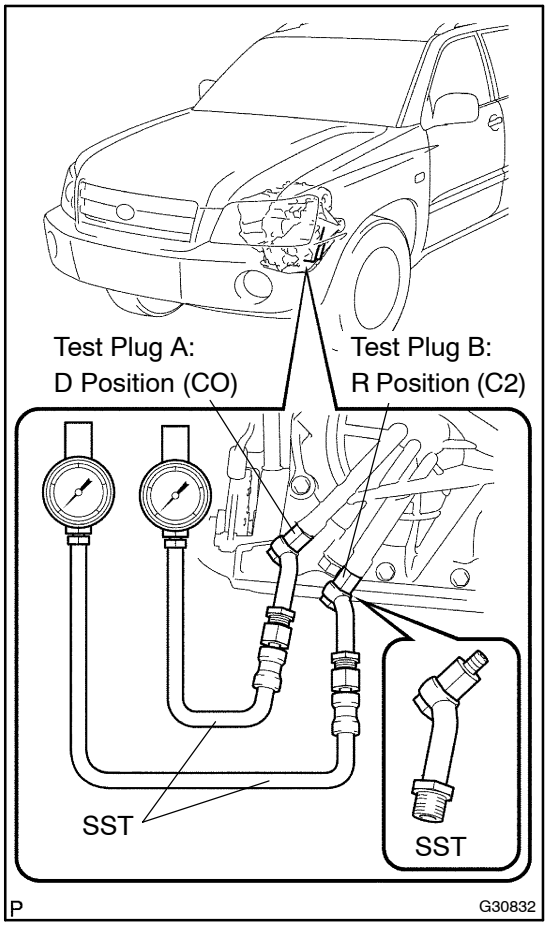
05JP0–01

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 engine under cover.

(4) Connect hand–held tester to DLC3.

(5) Remove the test plug A on the transaxle case front left side and install the SST.

SST 09992–00095 (09992– 00231, 09992–00271)

NOTICE:

There is a difference in installation point between D position and R position.

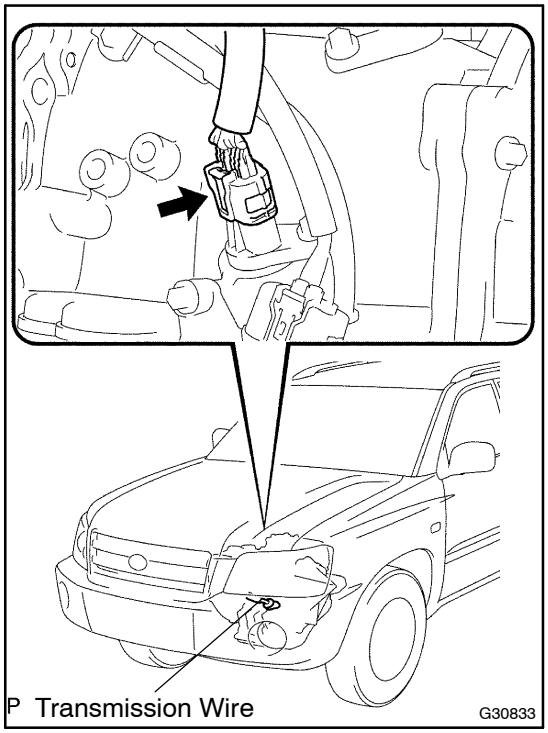
(6) Start the engine.

(7) Using hand–held tester, shift to D position and hold 3rd gear by active test, and measure the line pressure in idling.

Specified line pressure:

Condition	D position
Idling	372 to 412 kPa (3.8 to 4.2 kgf/cm^2, 54 to 60 psi)

(8) Turn the ignition switch off.



(9) Disconnect the connector of the transmission wire.

HINT:

Disconnect the connector only when performing the D position stall test.

(10) Start the engine.

(11) Firmly depress the brake pedal, shift to the D position, depress the accelerator pedal all the way down and check the line pressure while the stall test is performed.

Specified line pressure:

Condition	D position
Stall test	931 to 1,031 kPa (9.5 to 10.5 kgf/cm^2, 135 to 150 psi)

(12) Turn the ignition switch off.

(13) Remove the SST, install the test plug A.

(14) Remove the test plug B, install the SST and start engine.

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(15) Connect the transmission wire connector, depress the brake pedal firmly, shift to the R position and check that the line pressure while the engine is idling and during the stall test.

Specified line pressure:

Condition	R position
Idling	672 to 742 kPa (6.9 to 7.6 kgf/cm^2, 97 to 108 psi)
Stall test	1,768 to 1,968 kPa (18.0 to 20.1 kgf/cm^2, 256 to 285 psi)

(16) Remove the SST, install the test plug B.

(17) Clear the DTC.

Evaluation:

Problem	Possible cause
If the measured values at all position are higher	• Shift solenoid valve (SLT) defective • Regulator valve defective
If the measured values at all position are lower	• Shift solenoid valve (SLT) defective • Regulator valve defective • Oil pump defective • U/D (Underdrive) direct clutch defective
If pressure is low in the D position only	• D position circuit fluid leak • Forward clutch defective
If pressure is low in the R position only	• R position circuit fluid leak • Reverse clutch defective • 1st and reverse brake defective