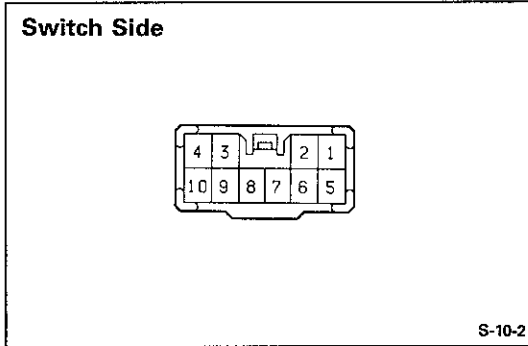


System Inspection

INSPECT TWO-FOUR SELECTOR OPERATION

- Start the engine.
- Check that the 4WD indicator light comes on when the 4WD Control Switch turned to ON.
Check that the light goes off when the switch is turned to OFF.

HINT: If the indicator light does not come on and go out when the control switch is operated, move the vehicle slightly forward, when the system is operated it should be normal.



Parts Inspection

1. INSPECT 4WD CONTROL SWITCH

Inspect switch continuity between terminals as shown.

Terminal Switch position	7	8	10	Illumination	
				2	3
OFF	○	—	○	○	○
ON	○	○	—	○	○

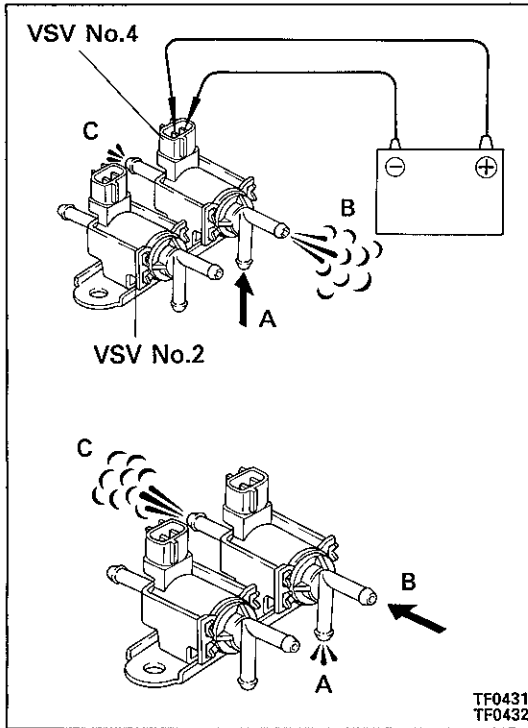
If continuity is not as specified, replace the switch.

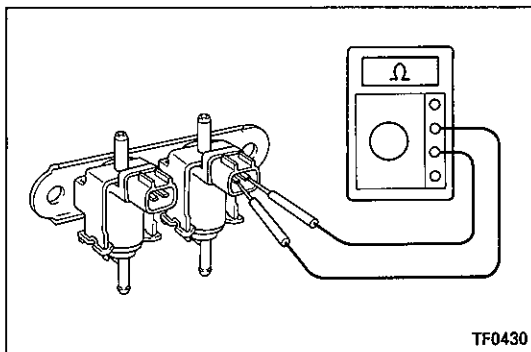
2. INSPECT 4WD CONTROL SOLENOID (Operation)

Check air flow of each port when the battery voltage is applied and is not applied to terminals No. 2, No. 4 of the VSV.

Port	VSV No.2			VSV No.4		
	A	B	C	A	B	C
Apply battery voltage	○	○	—	○	○	—
Non voltage	—	○	○	—	○	○

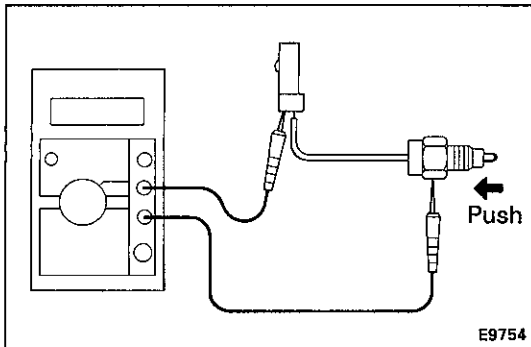
If operation is not as specified, replace the VSV.



**(Resistance)**

Measure the resistance between terminal 1 and 2.

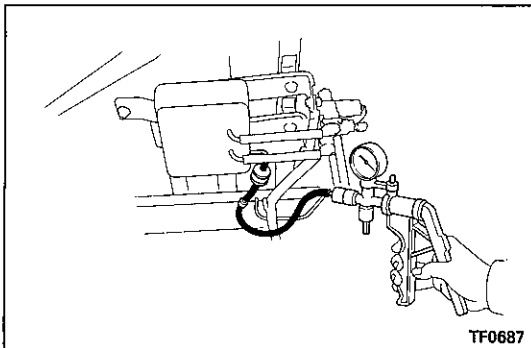
Resistance: $39 \pm 3 \Omega$

**3. INSPECT TRANSFER INDICATOR SWITCH**

Check that there is continuity between terminal and switch body as shown.

Switch Position	Specified
Push	Continuity
Free	No continuity

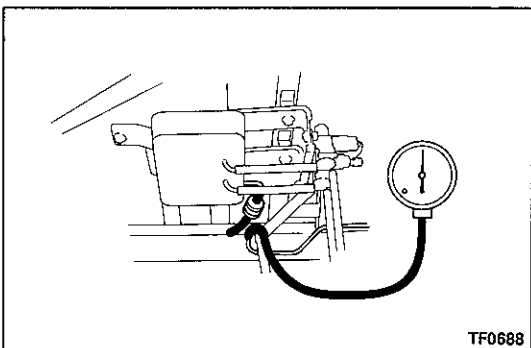
If operation is not as specified, replace the switch.

**4. INSPECT VACUUM TANK AND LINE****(Air Tightness Test)**

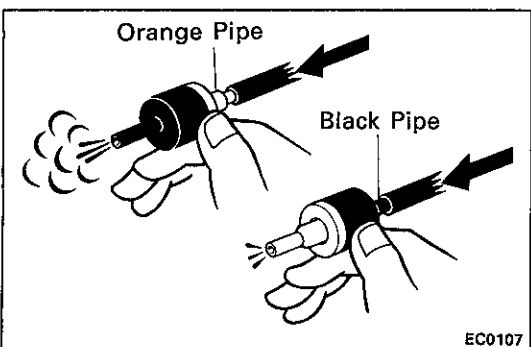
- Disconnect the vacuum hose from the vacuum line.
- Apply 500 mmHg (19.7 in.Hg, 66.7 kPa) of vacuum for about 30 seconds.
- Check that there is no change in the vacuum.

(Vacuum Line)

- Disconnect the vacuum line from the vacuum tank.
- Connect the vacuum gauge to the vacuum line.
- Start the engine and run it at idle.
- Check that the vacuum gauge indicates about 400 mmHg at idle.

**5. INSPECT CHECK VALVE**

- Check that air flows without resistance from B to A.
- Check that air flows with difficulty from A to B.

**6. INSPECT VACUUM ACTUATOR**

(See page TF-17)