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Model Year: 2010	Model: 4Runner	Doc ID: RM0000038UA006X
Title: SUSPENSION CONTROL: SUSPENSION CONTROL SYSTEM (w/ KDSS): ON-VEHICLE INSPECTION (2010 4Runner)		

ON-VEHICLE INSPECTION

1. INSPECT VEHICLE HEIGHT

NOTICE:

- Perform the calibration on a level surface.
- Perform the calibration with the vehicle empty.
- Make sure that the wheels are on the ground and facing straight ahead.
- Perform the calibration with the vehicle load completely on the suspension.

(a) Set the tire pressure to the specified value(s) [INFO](#).

(b) Bounce the vehicle to stabilize the suspension.



(c) Measure the distance from the ground to the top of the bumper and calculate the difference in the vehicle height between the left and right sides. Perform this procedure for both the front and rear wheels.

Height difference of left and right sides:
20 mm (0.787 in.) or less

If the result is not as specified, perform vehicle tilt calibration.

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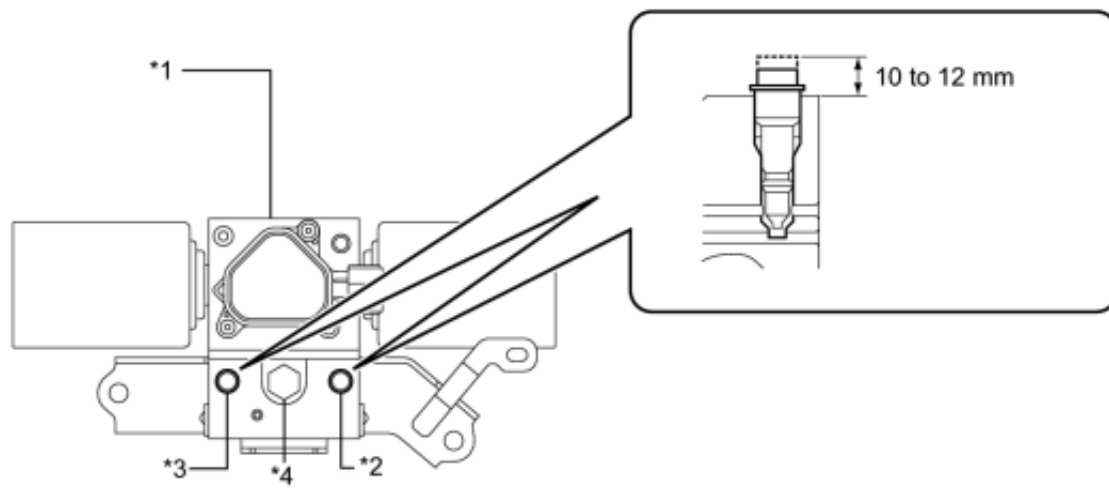
2. VEHICLE TILT CALIBRATION

NOTICE:

- Perform inspection on a level surface.
- Perform inspection with the vehicle empty.
- Make sure that the wheels are on the ground and facing straight ahead.
- Perform inspection with the vehicle load completely on the suspension.

(a) Remove the stabilizer control valve protector [INFO](#).

(b) Loosen the lower and upper chamber shutter valves of the stabilizer control with accumulator housing.



Text in Illustration

*1	Stabilizer Control with Accumulator Housing Assembly	*2	Upper Chamber Stabilizer Control with Accumulator Housing Shutter Valve
*3	Lower Chamber Stabilizer Control with Accumulator Housing Shutter Valve	*4	Stabilizer Control Accumulator Housing Inlet Port

NOTICE:

- When loosening a shutter valve, make sure that the end protrudes 10 to 12 mm (0.394 to 0.472 in.) from the surface of the block. Do not turn the shutter valve any further.
- Do not remove the shutter valves.

HINT:

By loosening the shutter valves, the upper and lower chamber will be fully connected, and the vehicle height is corrected by the equalization of the upper and lower chamber oil pressure.

- Bounce the vehicle to stabilize the suspension.
- Check the difference in height between the left and right sides of the vehicle. Refer to Measure Vehicle Height.

HINT:

When the vehicle height of the left and right side of the vehicle is not within the specified range, bleed the air INFO.

- Tighten the lower and upper chamber shutter valves of the stabilizer control with accumulator housing.

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)

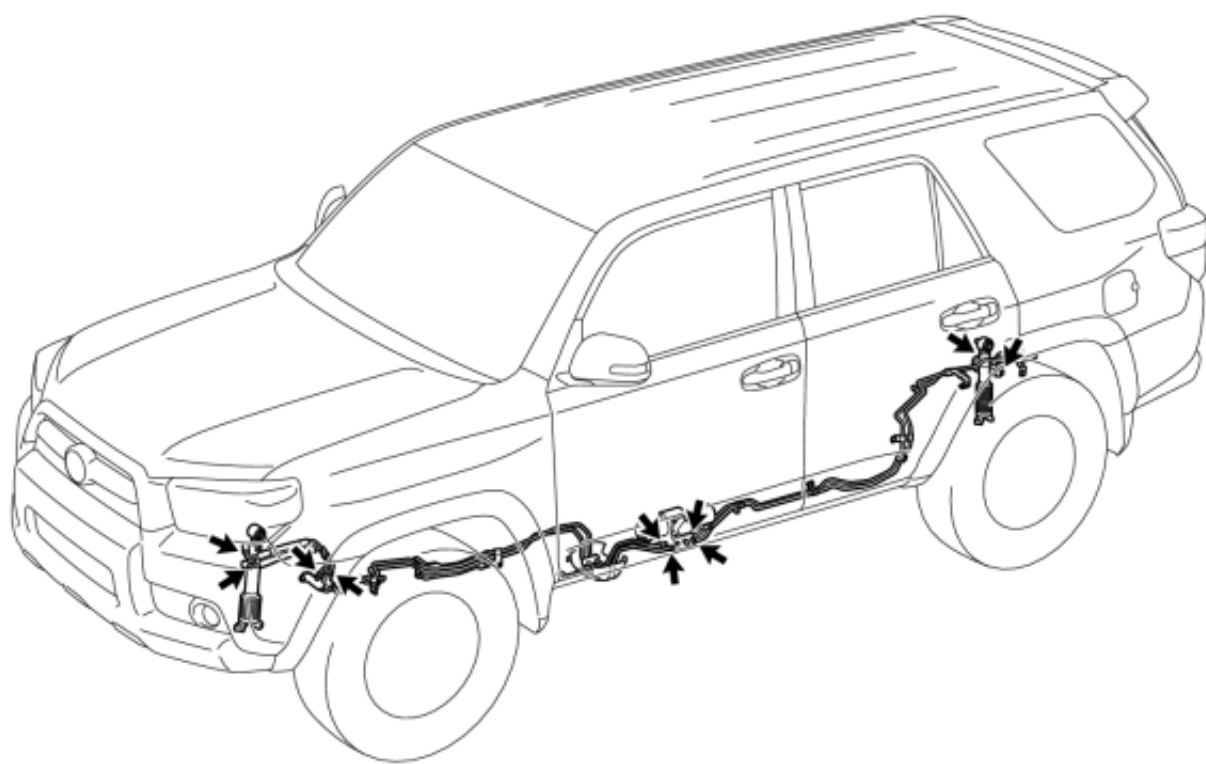
- Install the stabilizer control valve protector INFO.

3. INSPECT FOR SUSPENSION FLUID LEAK

CAUTION:

Fluid is pumped into the system at a high pressure of approximately 3 MPa (30.6 kgf/cm², 435 psi). If a fluid leak is discovered, immediately release the pressure and repair the fluid leak.

- Perform a driving test.
- Check for fluid leakage from the parts and connections shown in the illustration.



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