

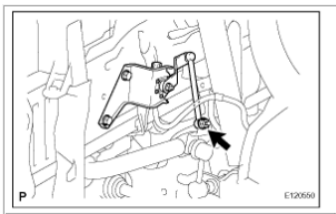
2007 Lexus IS 250 RWD V6-2.5L (4GR-FSE)

Vehicle Level → Sensors and Switches → Sensors and Switches - Steering and Suspension → Sensors and Switches - Suspension → Ride Height Sensor → Service and Repair ←

Service and Repair

REMOVAL

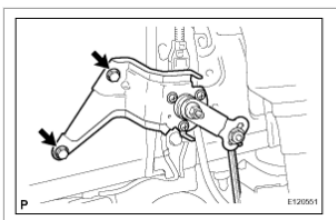
1. REMOVE FRONT HEIGHT CONTROL SENSOR SUBASSEMBLY (for 2WD)



Zoom

Sized for Print

- a. Disconnect the connector.
- b. Remove the nut.

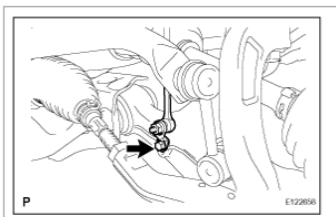


Zoom

Sized for Print

- c. Remove the 2 bolts and front height control sensor sub-assembly.

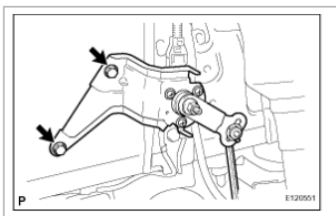
2. REMOVE FRONT HEIGHT CONTROL SENSOR SUBASSEMBLY (for 4WD)



Zoom

Sized for Print

- a. Disconnect the connector.
- b. Remove the bolt.

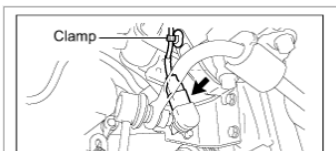


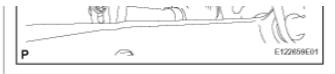
Zoom

Sized for Print

- c. Remove the 2 bolts and front height control sensor sub-assembly.

3. REMOVE REAR HEIGHT CONTROL SENSOR SUBASSEMBLY

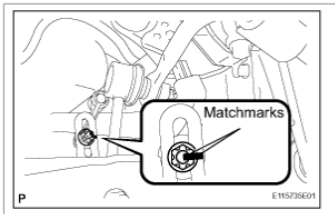




Zoom

Sized for Print

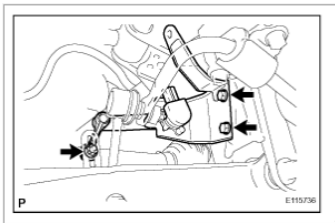
- a. Disengage the clamp and disconnect the connector.



Zoom

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- b. Put matchmarks on the rear height control sensor link and bracket.



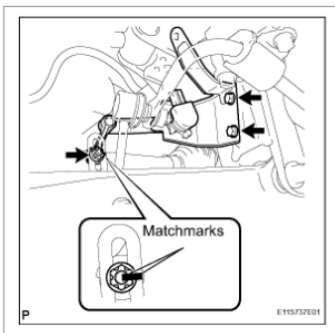
Zoom

Sized for Print

- c. Remove the 2 bolts, nut and rear height control sensor sub-assembly.

INSTALLATION

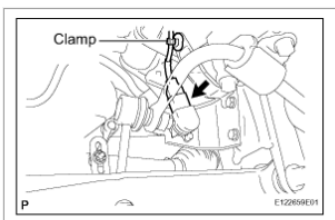
1. INSTALL REAR HEIGHT CONTROL SENSOR SUBASSEMBLY



Zoom

Sized for Print

- a. When replacing the rear height control sensor subassembly:
 1. Align matchmarks and also the trace of the nut, and install the rear height control sensor subassembly and bracket.
- b. When reusing the rear height control sensor subassembly:
 1. Align matchmarks on the rear height control sensor sub-assembly and bracket.
- c. Install the rear height control sensor sub-assembly with the 2 bolts and nut. Torque: **Bolt 14 N.m (143 kgf.cm, 10 ft.lbf) Nut 5.4 N.m (55 kgf.cm, 48 in.lbf)**

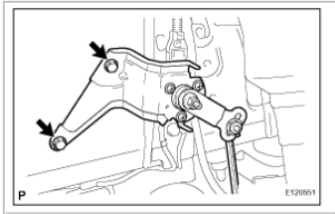


Zoom

Sized for Print

- d. Install the clamp.
- e. Connect the connector.

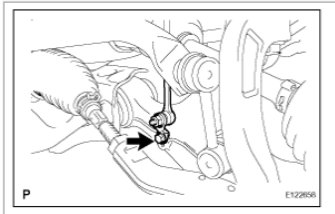
2. REMOVE FRONT HEIGHT CONTROL SENSOR SUBASSEMBLY (for 4WD)



[Zoom](#)

[Sized for Print](#)

- a. Install the 2 bolts. Torque: **14 N.m (143 kgf.cm, 10 ft.lbf)**

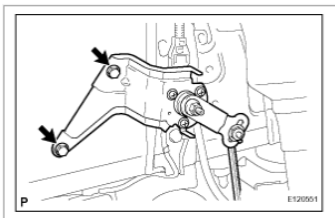


[Zoom](#)

[Sized for Print](#)

- b. Install the front height control sensor sub-assembly with the bolt. Torque: **5.4 N.m (55 kgf.cm, 48 in.lbf)**
c. Connect the connector.

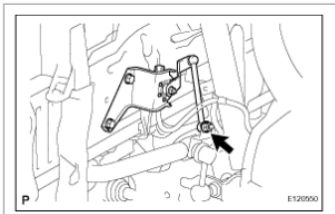
3. INSTALL FRONT HEIGHT CONTROL SENSOR SUBASSEMBLY (for 2WD)



[Zoom](#)

[Sized for Print](#)

- a. Install the 2 bolts. Torque: **14 N.m (143 kgf.cm, 10 ft.lbf)**



[Zoom](#)

[Sized for Print](#)

- b. Install the front height control sensor sub-assembly with the nut. Torque: **5.4 N.m (55 kgf.cm, 48 in.lbf)**
c. Connect the connector.

4. VEHICLE PREPARATION FOR HEADLIGHT AIM ADJUSTMENT
5. PREPARATION FOR HEADLIGHT AIMING (Using a tester)
6. PREPARATION FOR HEADLIGHT AIMING (Using a screen)
7. HEADLIGHT AIMING INSPECTION
8. HEADLIGHT AIMING ADJUSTMENT