

REMOVAL

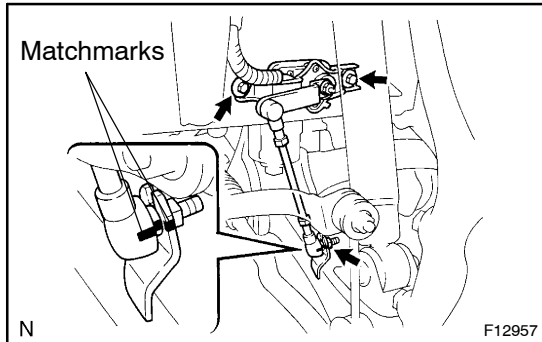
1. REMOVE FRONT WHEEL

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

2. BLEED AIR (See page SA-129)

HINT:

Disconnect the necessary one touch air connector of the height control valves and bleed the air.

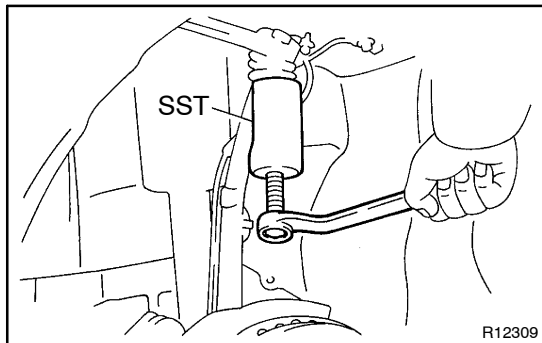


3. REMOVE HEIGHT CONTROL SENSOR

- Place matchmarks on the link and bracket.
- Remove the nut and disconnect the sensor link.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
- Remove the 2 bolts and height control sensor.
Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

4. DISCONNECT STEERING KNUCKLE FROM UPPER BALL JOINT

- Remove the clip and nut.
Torque: 87 N·m (885 kgf·cm, 64 ft·lbf)
- Using SST, disconnect the steering knuckle from the upper suspension arm.
SST 09610-20012



- Support the steering knuckle securely.

5. DISCONNECT PNEUMATIC CYLINDER FROM LOWER SUSPENSION ARM

Remove the bolt and nut.

Torque: 157 N·m (1,600 kgf·cm, 116 ft·lbf)

HINT:

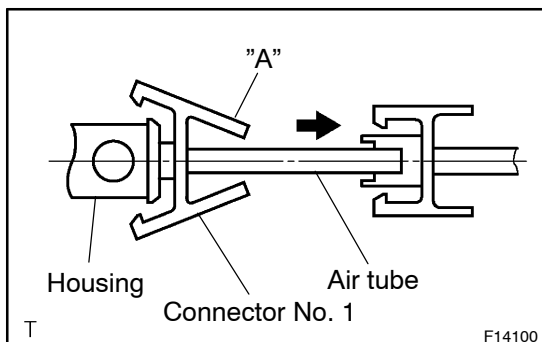
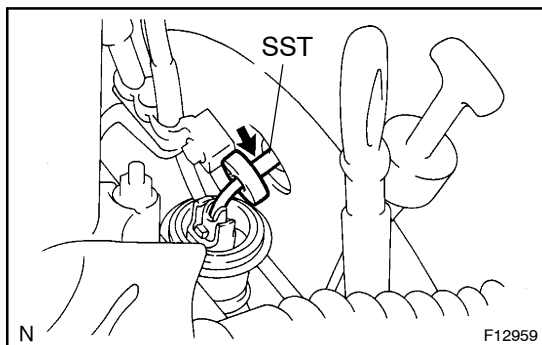
At the time of installation, after stabilizing the suspension, torque the bolt.

6. REMOVE GROMMET FROM BODY

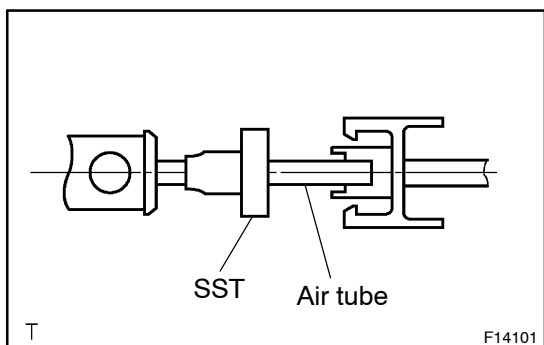
7. DISCONNECT AIR TUBE FROM PNEUMATIC CYLINDER

NOTICE:

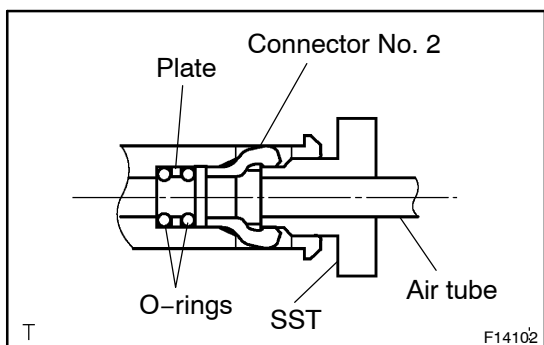
- To prevent foreign matter from entering, perform the operation with bare hands.
- Do not damage the height control valve.



- Pinch part "A" of the connector No. 1 to release the housing and pull out the connector No. 1.



- (b) Set a SST to the tube.
SST 09730-00010



- (c) Install the SST into the housing and spread the claws of the connector No. 2.
(d) While the SST is inserted, pull out the tube.

NOTICE:

Do not pull the tube by unreasonable force.

- (e) Using a screwdriver, remove the connector No. 2, 2 O-rings and a plate from the housing.

HINT:

At the time of installation, please refer to the following items.

- Install 2 new O-rings, the plate and the connector No. 2 to the housing and apply a thin coat of MP grease to them.
- Push the tube and connector No. 1 into the housing until a click is heard.

NOTICE:

At the time of installation, please refer to the following items.

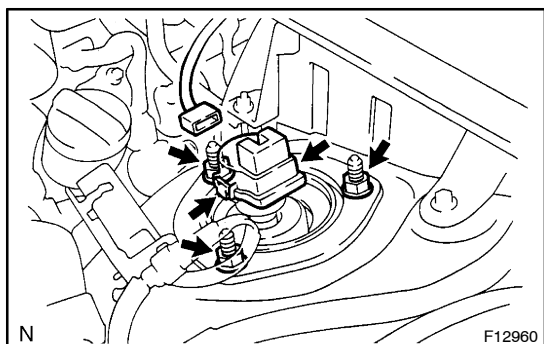
- **Prevent foreign matter from being attached to the O-rings and height control tube. Failure to do so may cause air leakage.**
- **The port (hole) of the housing should be set in the position 90° from the claws of connector No. 1.**
- **Lightly pull the air tube to check that it is installed securely.**

If the port of the housing cannot be viewed, find the correct setting position by gradually shifting the connector No. 1.

8. REMOVE SUSPENSION CONTROL ACTUATOR

- (a) Remove the 3 nuts and actuator cover.

Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)



- (b) Disconnect the actuator connector.
(c) Turn the actuator counterclockwise to 40° and remove it upward.

HINT:

At the time of installation, match the rod of pneumatic cylinder with the hole in the actuator.

9. REMOVE FRONT PNEUMATIC CYLINDER

Remove the 3 nuts, suspension support and pneumatic cylinder.

Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)