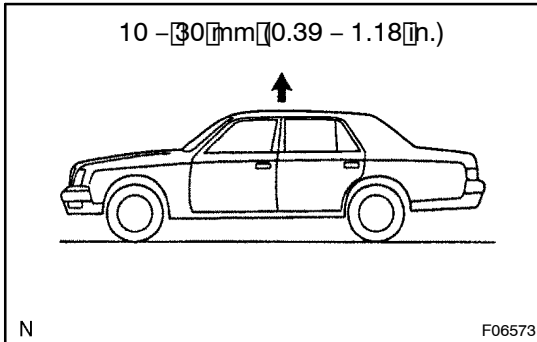


# ELECTRONIC MODULATED AIR SUSPENSION INSPECTION

SAOKZ-03

## 1. CHECK FOR HEIGHT CONTROL OPERATION

- (a) Check the tires for proper inflation pressure (See page SA-3)
- (b) Check the vehicle height (See page SA-5)

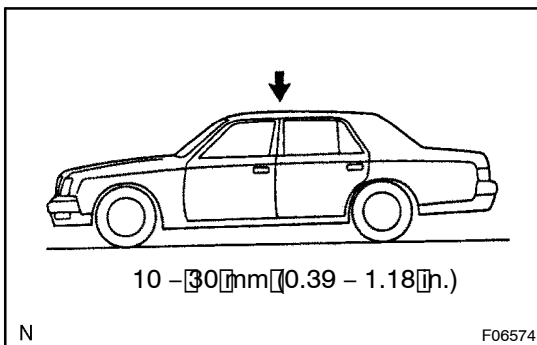


- (c) Start the engine and set the height control switch from the "NORM" position to the "HIGH" position. Check the time until the height adjustment is completed and the amount of change in the vehicle height.

### Adjustment time:

From operation of height control switch to start of compressor.	Approx. 2 sec.
From start of compressor to completion of height adjustment.	20 - 60 sec.

**Amount of change in vehicle height:**  
**10 - 30 mm (0.39 - 1.18 in.)**

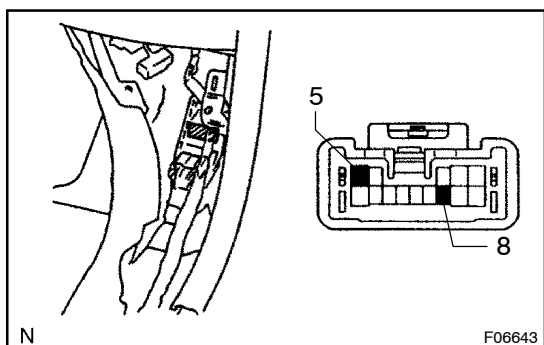


- (d) With the vehicle height in "HIGH" position and the engine running, set the height control switch from the "HIGH" position to the "NORM" position. Check the time until the height adjustment is completed and the amount of change in the vehicle height.

### Adjustment time:

From operation of height control switch to open of exhaust valve.	Approx. 2 sec.
From open of exhaust valve to completion of height adjustment.	20 - 60 sec.

**Amount of change in vehicle height:**  
**10 - 30 mm (0.39 - 1.18 in.)**

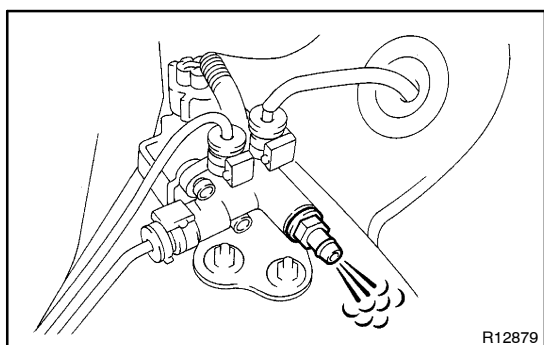


## 2. CHECK OPERATION OF RELIEF VALVE

- Remove the scuff plate and pull up the floor carpet.
- Turn the ignition switch ON and connect terminals 5 and 8 of the height control connector to operate the compressor.

### NOTICE:

Do not shortcircuit the connector for 15 seconds or over.



- Operate the compressor, wait a short period of time, then check that air is blown from the relief valve.
- Turn the ignition switch OFF.
- Clear the diagnostic trouble code (See page DI-66).

### NOTICE:

When the compressor is forcedly operated, a diagnostic trouble code is recorded in the ECU. Be sure to clear the diagnostic trouble code after the inspection is completed.

**3. CHECK CONNECTIONS OF TUBES AND HOSES FOR AIR LEAKAGE**

- (a) Set the height control switch in the "HIGH" position and raise the vehicle height.
- (b) Stop the engine.
- (c) Apply soapy water to the connections of the tubes and hoses and check that there is no air leakage.

