

AIR SUSPENSION SYSTEM > TEST MODE PROCEDURE

for Preparation [Click here](#)

SIGNAL CHECK (WHEN USING INTELLIGENT TESTER)

HINT:

- When entering test mode, the suspension control ECU first stores all the test mode DTCs. After completing test mode for each check item, the test mode DTCs that are determined to be normal by the suspension control ECU are cleared. The test mode DTCs for other check items may not be cleared when only a certain signal is inspected.
- When the system returns to normal mode, all the test mode DTCs are cleared.

- a. Turn the engine switch off.
- b. Connect the intelligent tester to the DLC3.
- c. Start the engine.
- d. Turn the intelligent tester on.
- e. Enter the following menus: Chassis / Air suspension / Utility / Signal Check.
- f. Check the display of the multi-information display and confirm that the system is in test mode.
- g. Check each item in the table below by performing the corresponding operation.

Test Mode (Input Signal Check) Table

Check Item	Operation
Absorber control switch signal	Slowly move absorber control switch from COMF to SPORT and then COMF
Height control switch signal	First press "up" on height control switch and then press "down"
Height control OFF switch signal	Turn height control OFF switch from on to off

- h. Read the test mode DTCs by following the prompts on the intelligent tester screen.
- i. Check the malfunction using the Test Mode DTC Chart below. After completing test mode, disconnect the intelligent tester and turn the engine switch off.

SIGNAL CHECK (WHEN USING SST CHECK WIRE)

HINT:

- When entering test mode, the suspension control ECU first stores all the test mode DTCs. After completing test mode for each check item, the test mode DTCs that are determined to be normal by the suspension control ECU are cleared. The test mode DTCs for other check items may not be cleared when only a certain signal is inspected.
- When the system returns to normal mode, all the test mode DTCs are cleared.

- a. Turn the engine switch off.

- b. Using SST, connect terminals 12 (TS) and 4 (CG) of the DLC3.

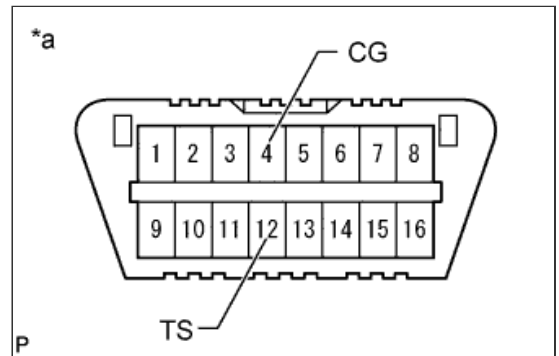
SST
09843-18040

Text in Illustration

*a Front view of DLC3

NOTICE:

Do not connect the incorrect terminals as this will cause damage.



- c. Turn the engine switch on (IG).
d. Check the display of the multi-information display and confirm that the system is in test mode.

- e. Using SST, connect terminals 13 (TC) and 4 (CG) of the DLC3.

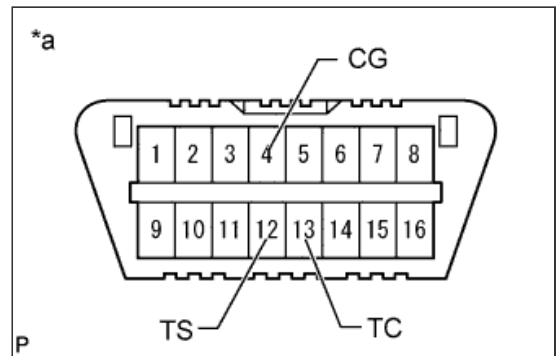
SST
09843-18040

Text in Illustration

*a Front view of DLC3

NOTICE:

- Do not disconnect terminals 12 (TS) and 4 (CG).
- Do not connect the incorrect terminals as this will cause damage.



- f. Check each item in the table below by performing the corresponding operation.

Test Mode (Input Signal Check) Table

Check Item	Operation
Absorber control switch signal	Slowly move absorber control switch from COMF to SPORT and then COMF
Height control switch signal	First press "up" on height control switch and then press "down"
Height control OFF switch signal	Turn height control OFF switch from on to off

- g. Read the output test mode DTCs that are displayed on the multi-information display.
h. Check the malfunction using the Test Mode DTC Chart below. After completing test mode, disconnect SST and the engine switch off.

TEST MODE DTC CHART

HINT:

When entering test mode, the suspension control ECU stores all the test mode DTCs. If the clear conditions for a test mode DTC are met, it is cleared.

- a. If a trouble code is output during the test mode DTC check, check the trouble areas listed for that code. For details of each code, refer to "See page" for the respective "DTC Code" in the chart.

DTC Code	Diagnosis	Trouble Area	See page
C1791/91	Absorber Control Switch Circuit	<ul style="list-style-type: none"> • Absorber control switch (combination switch) • Absorber control switch circuit • Suspension control ECU 	Click here
C1792/92	Height Control Switch Circuit	<ul style="list-style-type: none"> • Height control switch (combination switch) • Height control switch circuit • Suspension control ECU 	Click here
C1794/94	Height Control OFF Switch Circuit	<ul style="list-style-type: none"> • Height control OFF switch (combination switch) • Height control OFF switch circuit • Suspension control ECU 	Click here
C1796/96	Front Acceleration Sensor RH Malfunction	<ul style="list-style-type: none"> • Front acceleration sensor RH • Front acceleration sensor RH circuit • Suspension control ECU 	Click here
C1797/97	Front Acceleration Sensor LH Malfunction	<ul style="list-style-type: none"> • Front acceleration sensor LH (Suspension control ECU) 	Click here
C1798/98	Rear Acceleration Sensor Malfunction	<ul style="list-style-type: none"> • Rear acceleration sensor • Rear acceleration sensor circuit • Suspension control ECU 	Click here

