

PRE-CHECK

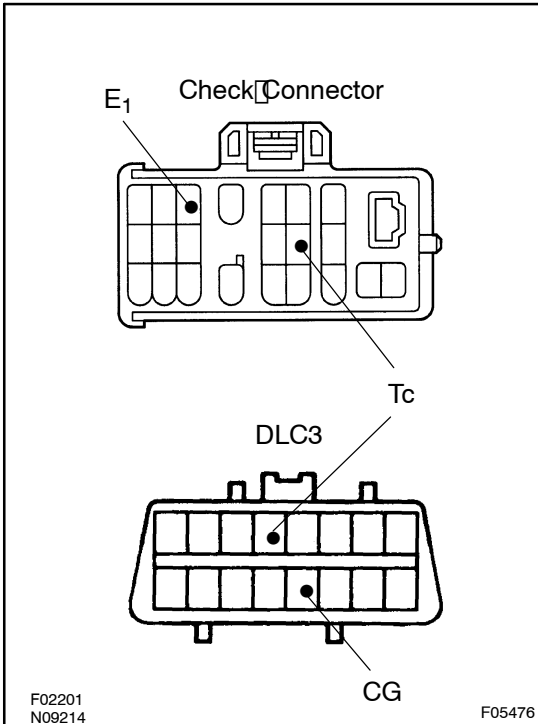
1. DIAGNOSIS SYSTEM

(a) Check the Indicator.

When the ignition switch is turned ON, check that the ABS warning light goes on for about 3 seconds.

HINT:

If the indicator check result is not normal, proceed to troubleshooting for the ABS warning light circuit (See page DI-190).



(b) Check the DTC.

(1) Using SST, connect terminals Tc and E₁ of check connector or Tc and CG of DLC3.

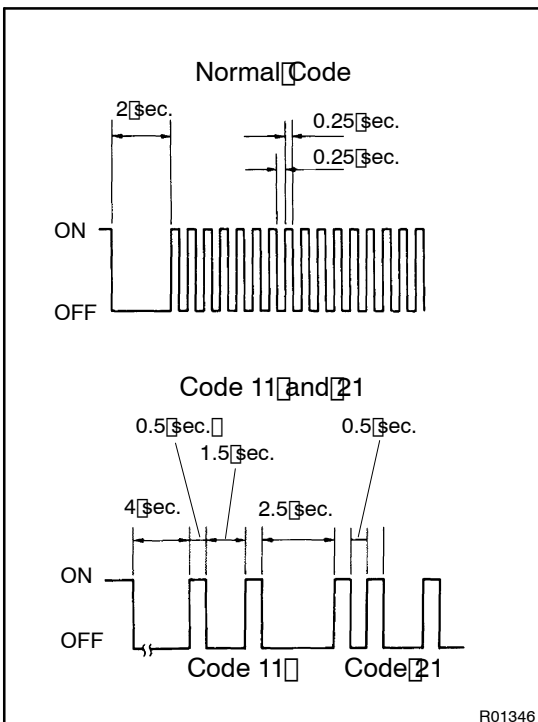
SST 09843-1020

(2) Turn the ignition switch ON.

(3) Read the DTC from the ABS warning light on the combination meter.

HINT:

- If no code appears, inspect the diagnostic circuit or ABS warning light circuit (See page DI-190 or DI-194).

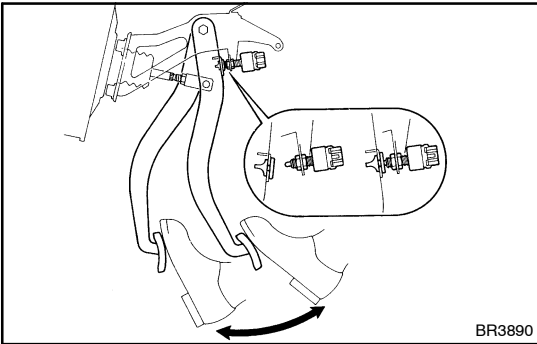


- As an example, the blinking patterns for normal code and codes 11 and 21 are shown on the left.

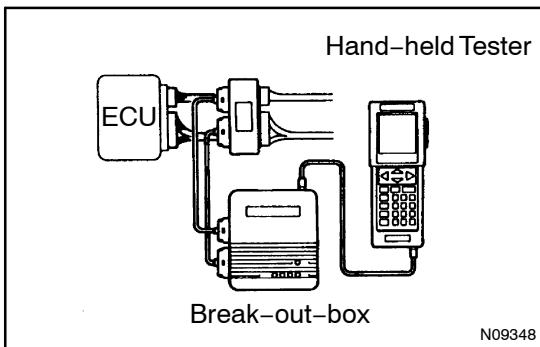
(4) Codes are explained in the code table on page DI-157.

(5) After completing the check, disconnect terminals Tc and E₁ or Tc and CG, and turn off the display.

If 2 or more malfunctions are indicated at the same time the lowest numbered DTC will be displayed 1st.



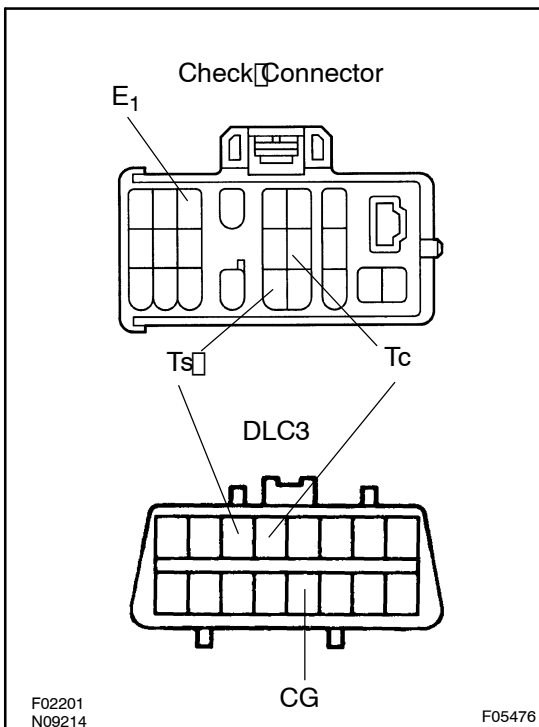
- (c) Clear the DTC.
- (1) Using SST, connect terminals Tc and E₁ of check connector or Tc and CG of DLC3.
- SST 09843-18020
- (2) Turn the ignition switch ON.
 - (3) Clear the DTC stored in ECU by depressing the brake pedal 8 or more times within 5 seconds.
 - (4) Check that the warning light shows the normal code.
 - (5) Turn the ignition switch OFF, and remove the SST from the terminals of check connector.
- SST 09843-18020



- (d) Using break-out-box and hand-held tester, measure the ECU terminal values.
- (1) Hook up the hand-held tester and break-out-box to the vehicle.
 - (2) Turn the ignition switch ON.
 - (3) Read the ECU input/output values by following the prompts on the tester screen.

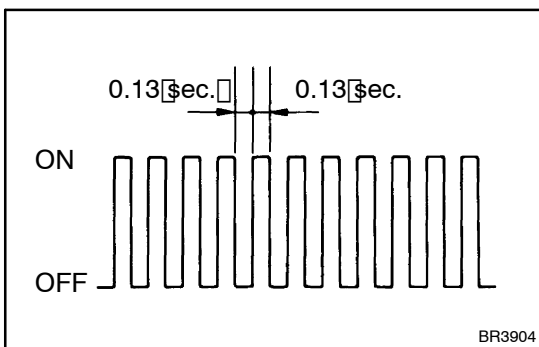
HINT:

Hand-held tester has a "Snapshot" function. This records the measured values and is effective in the diagnosis of intermittent problems. Please refer to the hand-held tester/break-out-box operator's manual for further details.



2. SPEED SENSOR SIGNAL CHECK

- Turn the ignition switch OFF.
- Using SST, connect terminals Ts and E₁ of check connector or Ts and CG of DLC3.
SST 09843-18020
- Start the engine.



- Check that the ABS warning light blinks.

HINT:

If the ABS warning light does not blink, inspect the ABS warning light circuit (See page DI-190).

- Drive vehicle straight forward.
Drive vehicle faster than 45 km/h (28 mph) for several seconds.

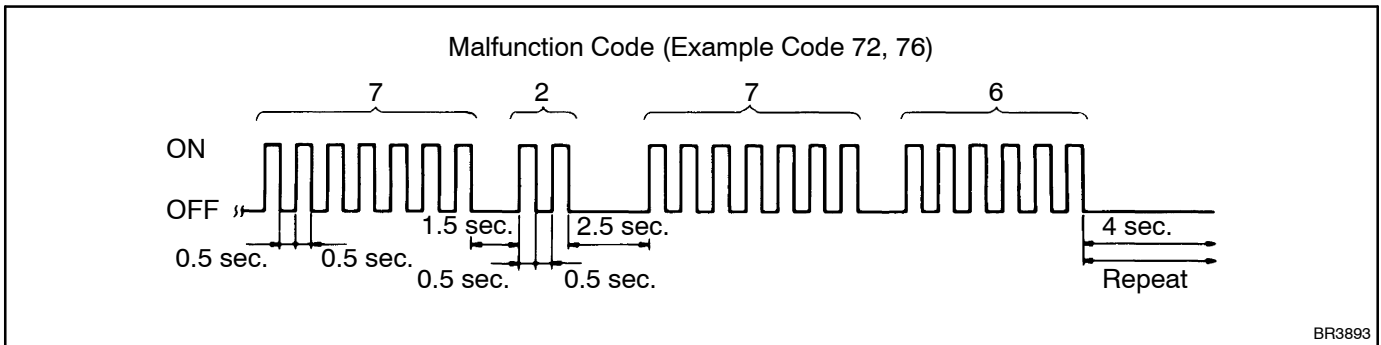
HINT:

There is a case that the sensor check is not completed if the vehicle has its rear wheels spun or its steering wheel steered during this check.

- Stop the vehicle.
- Using SST, connect terminals Tc and E₁ of check connector or Tc and CG of DLC3.
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- Read the number of blinks of the ABS warning light.

HINT:

- See the list of DTC shown on the next page.
- If every sensor is normal, a normal code is output (A cycle of 0.25 sec. ON and 0.25 sec. OFF is repeated).
- If 2 or more malfunctions are indicated at the same time, the lowest numbered code will be displayed 1st.



- (i) After doing the check, disconnect the SST from terminals Ts and E₁, Tc and E₁ of check connector or Ts and CG, Tc and CG of DLC3, and turn the ignition switch OFF.
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DTC of speed sensor check function:

Code No.	Diagnosis	Trouble Area
71	Low output voltage of right front speed sensor	<ul style="list-style-type: none"> • Right front speed sensor • Sensor installation • Right front speed sensor rotor
72	Low output voltage of left front speed sensor	<ul style="list-style-type: none"> • Left front speed sensor • Sensor installation • Left front speed sensor rotor
73	Low output voltage of right rear speed sensor	<ul style="list-style-type: none"> • Right rear speed sensor • Sensor installation • Right rear speed sensor rotor
74	Low output voltage of left rear speed sensor	<ul style="list-style-type: none"> • Left rear speed sensor • Sensor installation • Left rear speed sensor rotor
75	Abnormal change in output voltage of right front speed sensor	<ul style="list-style-type: none"> • Right front speed sensor rotor
76	Abnormal change in output voltage of left front speed sensor	<ul style="list-style-type: none"> • Left front speed sensor rotor
77	Abnormal change in output voltage of right rear speed sensor	<ul style="list-style-type: none"> • Right rear speed sensor rotor
78	Abnormal change in output voltage of left rear speed sensor	<ul style="list-style-type: none"> • Left rear speed sensor rotor