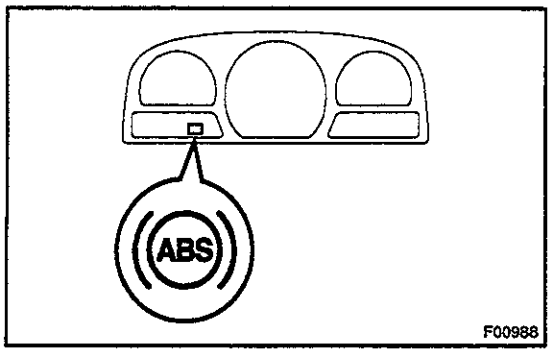
DI173-01

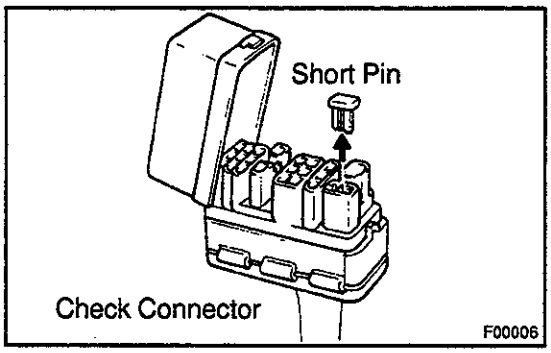



# PRE–CHECK

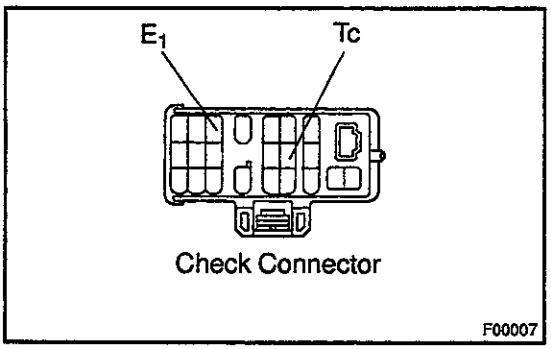
## 1. DIAGNOSIS SYSTEM

(a) Check the indicator.
When the ignition switch is turned ON, check that the ABS warning light goes on for 3 seconds.

HINT:
If the indicator check result is not normal, proceed to troubleshooting for the ABS warning light circuit (See page DI–32).

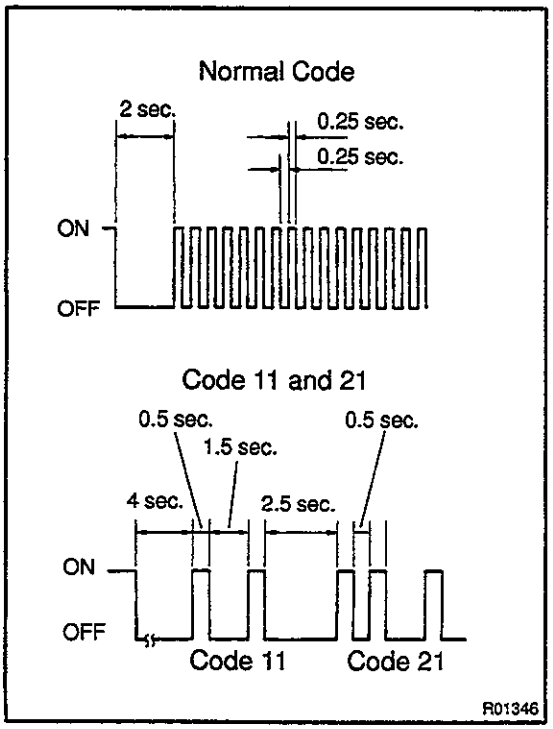



(b) Check the DTC.
(1) Turn the ignition switch ON.
(2) Disconnect the short pin from check connector.




(3) Using SST, connect terminals Tc and $E_1$ of check connector.
SST 09843 – 18020
(4) Read the DTC from the ABS warning light on the combination meter.

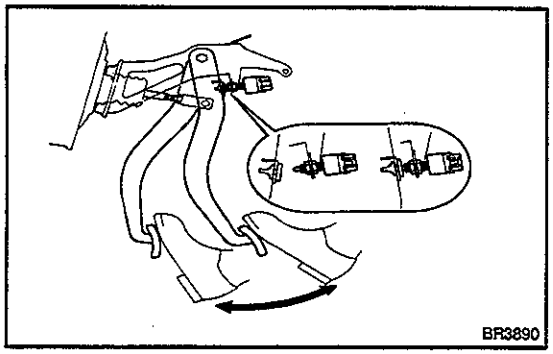
HINT:
- If no code appears, inspect the diagnostic circuit or ABS warning light circuit (See page DI–36 or DI–32).




- As an example, the blinking patterns for normal code and codes 11 and 21 are shown on the left.
(5) Code are explained in the code table on page DI–6.
(6) After completing the check, disconnect terminals Tc and $E_1$, and turn off the display.

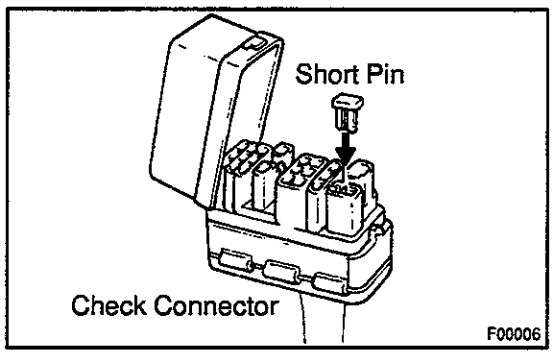
If 2 or more malfunctions are indicated at the same time the lowest numbered DTC will be displayed 1st.

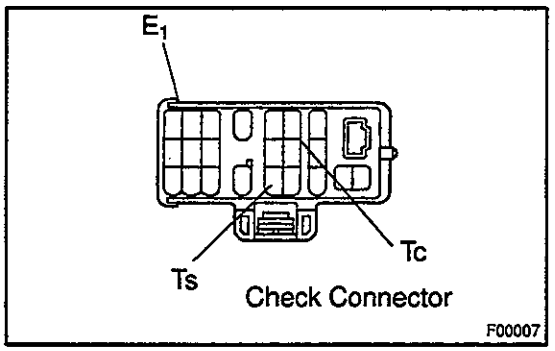
DI




(c) Clear the DTC.
(1) Using SST, connect terminals Tc and $E_1$ of check connector and remove the short pin from check connector.
SST 09843 – 18020
(2) IG switch ON.
(3) Clear the DTC stored in ECU by depressing the brake pedal 8 or more times within 3 seconds.
(4) Check that the warning light shows the normal code.
(5) Remove the SST from the terminals of check connector.
SST 09843 – 18020
(6) Connect the short pin to check connector.

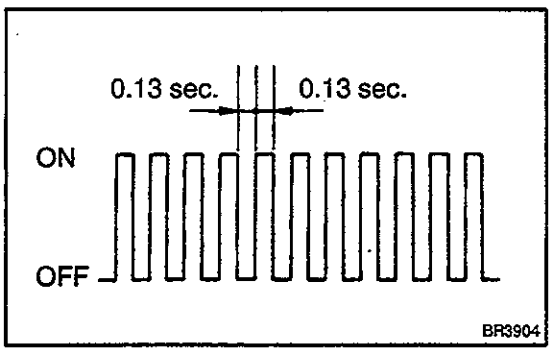
HINT:
Cancellation can also be done by removing the ECU–B fuse, but in this case, other memory systems will also be cancelled out.




**2. SPEED SENSOR SIGNAL CHECK**

(a) Check the speed sensor signal.
(1) Turn the ignition switch OFF.
(2) Using SST, connect terminals Ts and $E_1$ of check connector.
SST 09843 – 18020
(3) Start the engine.




(4) 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-32).

(5) Drive vehicle straight forward.

HINT:
Drive vehicle faster than 45 km/h (28 mph) for several seconds.

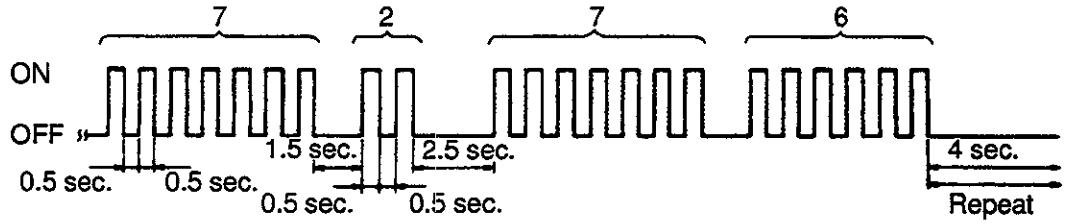
(6) Stop the vehicle.
(7) Using SST, connect terminals Tc and $E_1$ of check connector.
SST 09843 – 18020

(8) Read the number of blinks of the ABS warning light.

HINT:

- See the list of DTC on page DI–6.
- 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 malfunction are indicated at the same time, the lowest numbered code will be displayed 1st.

Malfunction Code (Example Code 72, 76)




BR3893

(9) After doing the check, disconnect terminals Ts and $E_1$, Tc and $E_1$ of check connector, and ignition switch turned OFF.

(b) Check the DTC of speed sensor function.

| Code No. | Diagnosis | Trouble Area |
|---|---|---|
| 71 | Low output voltage of right front speed sensor | • Right front speed sensor<br>• Sensor installation |
| 72 | Low output voltage of left front speed sensor | • Left front speed sensor<br>• Sensor installation |
| 73 | Low output voltage of right rear speed sensor | • Right rear speed sensor<br>• Sensor installation |
| 74 | Low output voltage of left rear speed sensor | • Left rear speed sensor<br>• Sensor installation |
| 75 | Abnormal change in output voltage of right front speed sensor | • Right front speed sensor rotor |
| 76 | Abnormal change in output voltage of left front speed sensor | • Left front speed sensor rotor |
| 77 | Abnormal change in output voltage of right rear speed sensor | • Right rear speed sensor rotor |
| 78 | Abnormal change in output voltage of left rear speed sensor | • Left rear speed sensor rotor |

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