TEST MODE PROCEDURE

1. SPEED SENSOR SIGNAL CHECK (WHEN USING SST CHECK WIRE):

HINT:

- If the ignition switch is turned from the ON to the ACC or LOCK position during Test Mode, the DTCs of the signal check function will be erased.

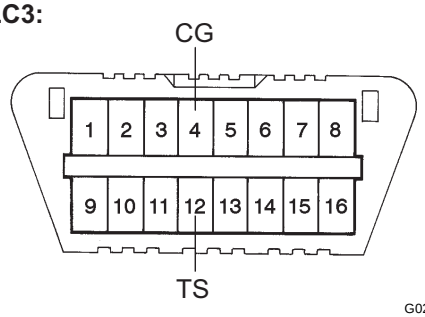
(a) Turn the ignition switch off.

(b) Check that the steering wheel is in the straight-ahead position and move the shift lever to the P position (Automatic Transmission) or apply the parking brake (Manual Transmission).

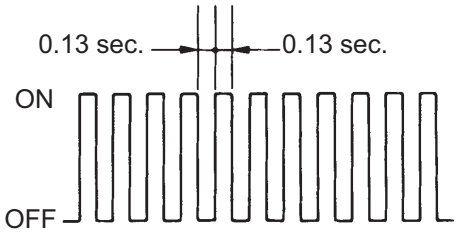
(c) Using SST, connect terminals TS and CG of the DLC3.
SST 09843-18040

(d) Turn the ignition switch to the ON position.

DLC3:



Blinking Pattern in TEST MODE:



(e) Check that the ABS warning light is blinking in the Test Mode.
HINT:
If the ABS warning light does not blink, inspect the TS and CG terminal circuit and the ABS warning light circuit.

Trouble Area	See procedure
TS and CG terminal circuit	BC-64
ABS warning light circuit	BC-47 or BC-50

(f) Start the engine.

(g) Using SST, perform the speed sensor signal check in Test Mode.
SST 09843-18040

(h) Drive the vehicle straight forward.

(i) Accelerate the vehicle to a speed of 28 mph (45 km/h) or higher for several seconds and check that the ABS warning light goes off.
HINT:
The signal check may not be completed if the vehicle has its wheels spun.

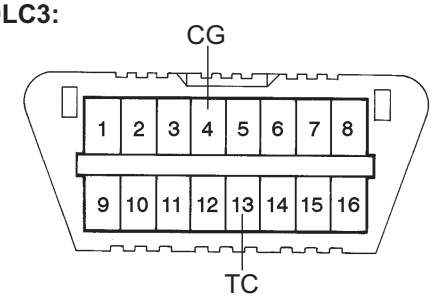
(j) Stop the vehicle.
NOTICE:

- **The speed sensor signal check may not be completed if the steering wheel is turned or the wheels are spun during the check.**

- **After the ABS warning light goes off and if vehicle speed exceeds 50 mph (80 km/h), the signal check code will be stored again. Decelerate or stop the vehicle before the speed reaches 50 mph (80 km/h).**
- **If the signal check has not been completed, the ABS warning light blinks while driving and the ABS system does not operate.**

HINT:
When the signal check has been completed, the ABS warning light goes off while driving and blinks in the Test Mode pattern while stationary.

DLC3:

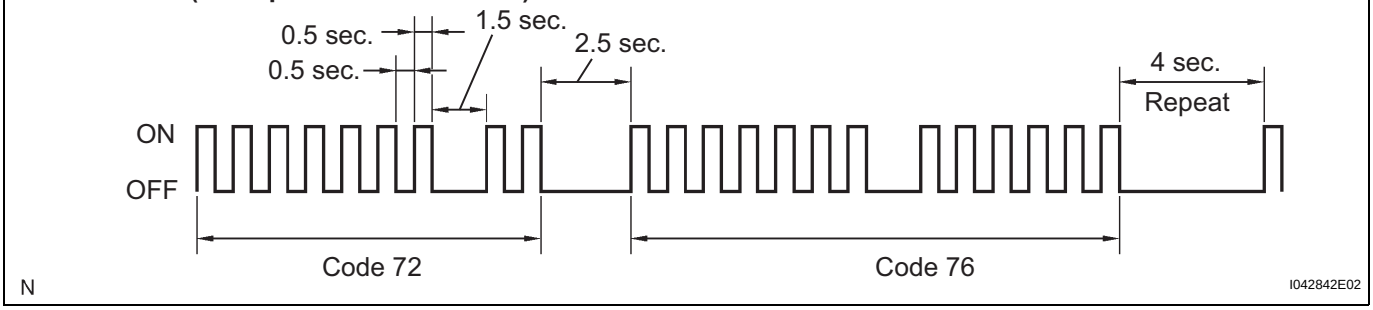


2. READ DTC

(a) Using SST, connect terminals TC and CG of the DLC3.
SST 09843-18040

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

Trouble Code (Example Codes 72 and 76):



HINT:
- See the list of DTC.
- If every sensor is normal, the normal system code is output. (A cycle of 0.25 second ON and 0.25 second OFF is repeated.)
- If more than 1 malfunction is detected at the same time, the lowest numbered code will be displayed first.

(c) After performing the check, disconnect the SST from terminals TS and CG, TC and CG of the DLC3 and turn the ignition switch off.

3. DTC OF TEST MODE (SIGNAL CHECK) FUNCTION

Code No.	Diagnosis	Trouble Area
C1271/71	Low output signal of front speed sensor RH	• Front speed sensor RH • Sensor installation • Speed sensor rotor
C1272/72	Low output signal of front speed sensor LH	• Front speed sensor LH • Sensor installation • Speed sensor rotor
C1273/73	Low output signal of rear speed sensor RH	• Rear speed sensor RH • Sensor installation • Speed sensor rotor

Code No.	Diagnosis	Trouble Area
C1274/74	Low output signal of rear speed sensor LH	• Rear speed sensor LH • Sensor installation • Speed sensor rotor
C1275/75	Abnormal change in output signal of front speed sensor RH	Speed sensor rotor
C1276/76	Abnormal change in output signal of front speed sensor LH	Speed sensor rotor
C1277/77	Abnormal change in output signal of rear speed sensor RH	Speed sensor rotor
C1278/78	Abnormal change in output signal of rear speed sensor LH	Speed sensor rotor

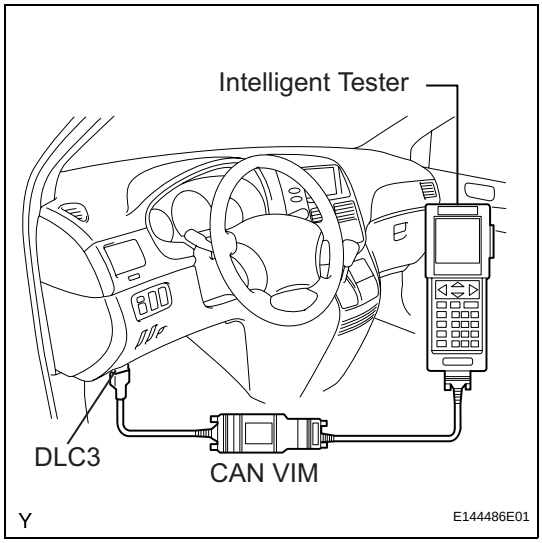
HINT:
The codes in this table are output only in Test Mode (signal check).

4. SPEED SENSOR SIGNAL CHECK (WHEN USING INTELLIGENT TESTER):

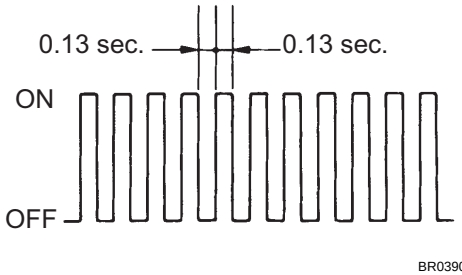
HINT:

- If the ignition switch is turned from the ON to the ACC or LOCK position during Test Mode, DTCs of the signal check function will be erased.
- During Test Mode, the ECU records all DTCs of the signal check function. By performing the signal check, the codes are erased if normality is confirmed. The remaining codes are the codes where an abnormality was found.

(a) Turn the ignition switch off.
(b) Check that the steering wheel is in the straight-ahead position.
(c) Connect the intelligent tester to the DLC3.
(d) Turn the ignition switch to the ON position.
(e) Set the intelligent tester to Test Mode (select "SIGNAL CHECK").
HINT:
Refer to the intelligent tester operator's manual for further details.



Blinking Pattern in TEST MODE:



(f) Check that the ABS warning light is blinking in the Test Mode.
HINT:
If the ABS warning light does not blink, inspect the TS and CG terminal circuit and the ABS warning light circuit.

Trouble Area	See procedure
TS and CG terminal circuit	BC-64
ABS warning light circuit	BC-47 or BC-50

(g) Start the engine.
(h) Using the intelligent tester, perform the speed sensor signal check in Test Mode.
(i) Drive the vehicle straight forward.
(j) Accelerate the vehicle to a speed of 28 mph (45 km/h) or higher for several seconds and check that the ABS warning light goes off.
HINT:
The signal check may not be completed if the vehicle has its wheels spun.
(k) Stop the vehicle.
NOTICE:
- **The speed sensor signal check may not be completed if the steering wheel is turned or the wheels are spun during the check.**
- **After the ABS warning light goes off and if vehicle speed exceeds 50 mph (80 km/h), a signal check code will be stored again. Decelerate or stop the vehicle before the speed reaches 50 mph (80 km/h).**
- **If the signal check has not been completed, the ABS warning light blinks while driving and the ABS system does not operate.**

HINT:
When the signal check has been completed, the ABS warning light goes off while driving and blinks in the Test Mode pattern while stationary.

5. READ DTC

(a) Read the DTC(s) by following the tester screen.
HINT:
- Refer to the intelligent tester operator's manual for further details.
- See the list of DTC.

6. DTC OF TEST MODE (SIGNAL CHECK) FUNCTION

Code No.	Diagnosis	Trouble Area
C1271/71	Low output signal of front speed sensor RH	• Front speed sensor RH • Sensor installation • Speed sensor rotor
C1272/72	Low output signal of front speed sensor LH	• Front speed sensor LH • Sensor installation • Speed sensor rotor
C1273/73	Low output signal of rear speed sensor RH	• Rear speed sensor RH • Sensor installation • Speed sensor rotor

Code No.	Diagnosis	Trouble Area
C1274/74	Low output signal of rear speed sensor LH	• Rear speed sensor LH • Sensor installation • Speed sensor rotor
C1275/75	Abnormal change in output signal of front speed sensor RH	Speed sensor rotor
C1276/76	Abnormal change in output signal of front speed sensor LH	Speed sensor rotor
C1277/77	Abnormal change in output signal of rear speed sensor RH	Speed sensor rotor
C1278/78	Abnormal change in output signal of rear speed sensor LH	Speed sensor rotor

HINT:
The codes in this table are output only in Test Mode (signal check).