

CALIBRATION

1. DESCRIPTION

- (a) After replacing the VSC relevant components or performing "Front wheel alignment adjustment", clearing and reading the sensor calibration data are necessary.
- (b) Follow the chart to perform calibration.

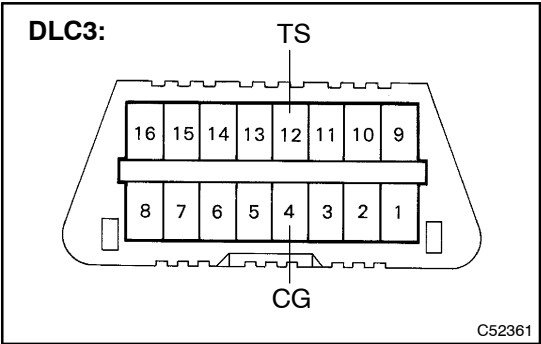
Replacing Parts	Necessary Operation
Skid Control ECU	Yaw rate sensor and deceleration sensor zero point calibration.
Yaw Rate Sensor	1. Clearing zero point calibration data. 2. Yaw rate sensor and deceleration sensor zero point calibration.
Front Wheel Alignment	1. Clearing zero point calibration data. 2. Yaw rate sensor and deceleration sensor zero point calibration.

2. CLEAR ZERO POINT (USING SST CHECK WIRE)

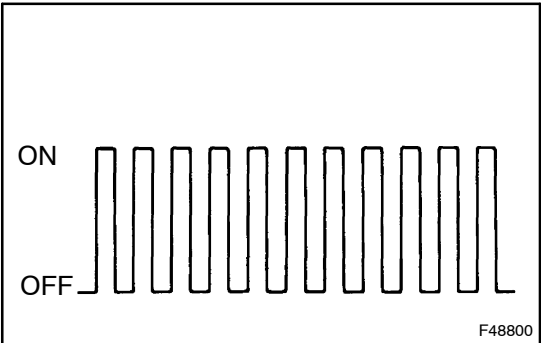
HINT:

After replacing the yaw rate and deceleration sensor, make sure to clear zero point data in the skid control ECU and perform zero point calibration.

- (a) Clear the zero point using the SST check wire.
SST 09843-18040
 - (1) Turn the ignition switch to the ON position.



- (2) Using SST, connect and disconnect terminals TS and CG of the DLC3 4 times or more within 8 seconds.
- (3) Check that the warning lamp is blinking to indicate the normal code.
- (4) Remove the SST.



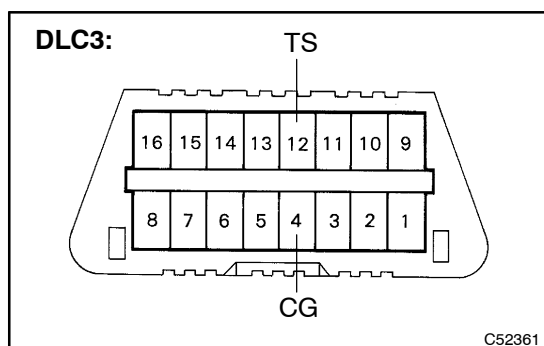
3. PERFORM ZERO POINT CALIBRATION OF YAW RATE SENSOR AND DECELERATION SENSOR (USING SST CHECK WIRE)

HINT:

After replacing the ABS & TRACTION actuator assy, make sure to perform yaw rate sensor and deceleration sensor zero point calibration.

NOTICE:

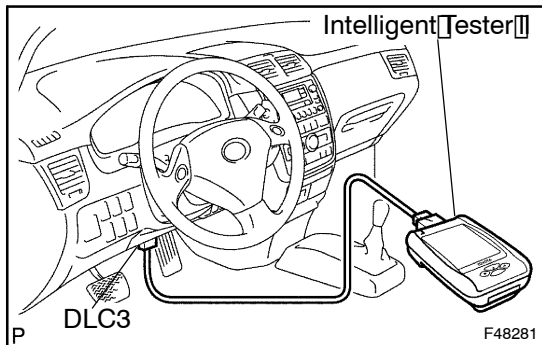
- While obtaining the zero point, do not vibrate the vehicle by tilting, moving or shaking it and keep it in a stationary condition. (Do not start the engine.)
 - Be sure to perform this on a level surface (with an inclination less than 1 degree).
- (a) A/T:
Shift the shift lever to the P position.
 - (b) M/T:
Apply the parking brake.
 - (c) Procedures for test mode:
 - (1) Turn the ignition switch off.
 - (2) Apply the parking brake (Parking brake switch on).



- (3) Using SST, connect terminals TS and CG of the DLC3.
- SST 09843-18040
- (4) Check that the steering wheel is in the straight-ahead position.
 - (5) A/T:
Shift the shift lever to the P position.
 - (6) M/T:
Apply the parking brake.
 - (7) Turn the ignition switch to the ON position.
 - (d) Keep the vehicle in the stationary condition on a level surface for 2 seconds or more.
 - (e) Check that the VSC warning lamp blinks.

HINT:

- If the VSC warning lamp does not blink, perform the zero point calibration again.
- The zero point calibration is performed only once after the system enters the test mode.
- Calibration cannot be performed again until the stored data is cleared once.



4. CLEAR ZERO POINT (USING INTELLIGENT TESTER II)

(a) Clearing the zero point.

- (1) Connect the Intelligent Tester II to the DLC3.
- (2) Turn the ignition switch to the ON position.
- (3) Operate the Intelligent Tester II to clear the zero point.

HINT:

Refer to the Intelligent Tester II operator's manual for further details.

5. PERFORM ZERO POINT CALIBRATION OF YAW RATE SENSOR AND DECELERATION SENSOR (USING INTELLIGENT TESTER II)

NOTICE:

- While obtaining the zero point, do not vibrate the vehicle by tilting, moving or shaking it and keep it in a stationary condition. (Do not start the engine.)
- Be sure to do this on a level surface (with an inclination less than 1 degree)

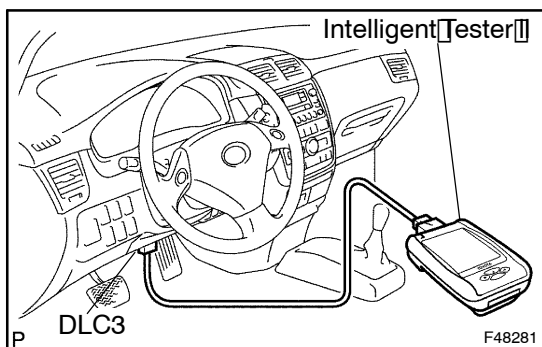
(a) Check that the steering wheel is in the straight-ahead position.

(b) A/T:

Shift the shift lever to the P position.

(c) M/T:

Apply the parking brake.



(d) Connect the intelligent tester II to the DLC3.

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

(f) Put the intelligent tester II in to test mode

(see page 05-613)

(g) Perform the zero point calibration of the yaw rate sensor and deceleration sensor:

- (1) Keep the vehicle in the stationary condition on a level surface for 2 seconds or more.
- (2) Check that the VSC warning lamp blinks.

HINT:

- If the VSC warning lamp does not blink, perform the zero point calibration again.
- The zero point calibration is performed only once after the system enters the test mode.
- Calibration cannot be performed again until the stored data is cleared once.

(h) Turn the ignition switch off.