

**DTC****C1290/66****Steering Angle Sensor Zero Point Malfunction****DESCRIPTION**

The skid control ECU learns the steering sensor zero point every time the ignition switch is turned ON and the vehicle is driven at 35 km/h (22 mph) or more for approximately 5 seconds. The ECU also stores the previous zero point.

If front wheel alignment or the steering wheel position is adjusted without disconnecting the negative battery terminal, or if the yaw rate and deceleration sensor zero point is not set after the adjustments have been completed, the skid control ECU detects the difference between the previously stored zero point and the newly learned zero point and outputs this DTC to indicate a poor adjustment.

Indication of the steering sensor zero point malfunction is canceled by turning the ignition switch OFF.

DTC No.	DTC Detection Condition	Trouble Area
C1290/66	Steering sensor zero point calibration position differs significantly from recorded value	<ul style="list-style-type: none"> <li>• Yaw rate and deceleration sensor zero point calibration incomplete</li> <li>• Poor adjustment of centered position of steering wheel</li> <li>• Poor adjustment of front wheel alignment</li> </ul>

**INSPECTION PROCEDURE****NOTICE:****BC**

When replacing the ABS and TRACTION actuator, perform zero point calibration (see page [BC-24](#)).

**1****PERFORM YAW RATE AND DECELERATION SENSOR ZERO POINT CALIBRATION**

- (a) Perform the zero point calibration of the yaw rate and deceleration sensor (see page [BC-24](#)).

**HINT:**

- When the stored zero point of the yaw rate and deceleration sensor is erased, the steering sensor zero point is also erased.
- If the zero point and output value of the yaw rate and deceleration sensor and the output values of the speed sensors are not normal, the steering sensor zero point cannot be learned normally even if the vehicle is driven straight ahead at 35 km/h (22 mph) or more.

**NEXT****2****CHECK STEERING SENSOR**

- (a) Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.
- (b) Check that the centered position of the steering wheel is correctly set while driving straight ahead.

**HINT:**

If the front wheel alignment and steering position are adjusted due to an incorrectly centered position of the steering wheel, set the yaw rate and deceleration sensor zero point again after the adjustments are completed.

**OK:**

The center position of the steering wheel is correctly set.

**NG****ADJUST FRONT WHEEL ALIGNMENT****OK****3****RECONFIRM DTC**

- (a) Turn the ignition switch OFF.
- (b) Clear the DTC (see page [BC-47](#)).
- (c) Check if the same DTC is recorded (see page [BC-47](#)).

**Result**

Result	Proceed to
DTC (C1290/66) is not output	A
DTC (C1290/66) is output	B

**B****REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY****A****BC****USE SIMULATION METHOD TO CHECK**