

## DATA LIST / ACTIVE TEST

### 1. DATA LIST

#### HINT:

By accessing the DATA LIST displayed by the intelligent tester, you can read the value of the switches and sensors without removing any parts. Reading the DATA LIST as the first step of troubleshooting is one method to shorten labor time.

- Connect the intelligent tester to the DLC3.
- Turn the ignition switch to the ON position.
- Following the display on the tester, select the "DATA LIST".

#### ABS:

| Item          | Measurement Item/Range (Display)                                                       | Normal Condition                                       | Diagnostic Note                |
|---------------|----------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------|
| STOP LIGHT SW | Stop light switch/ON or OFF                                                            | ON: Brake pedal depressed<br>OFF: Brake pedal released | -                              |
| WHEEL SPD FR  | Front right wheel speed reading/<br>min.: 0 km/h (0 mph)<br>max.: 326.4 km/h (202 mph) | Actual wheel speed                                     | Speed indicated on speedometer |
| WHEEL SPD FL  | Front left wheel speed reading/<br>min.: 0 km/h (0 mph)<br>max.: 326.4 km/h (202 mph)  | Actual wheel speed                                     | Speed indicated on speedometer |
| WHEEL SPD RR  | Rear right wheel speed reading/<br>min.: 0 km/h (0 mph)<br>max.: 326.4 km/h (202 mph)  | Actual wheel speed                                     | Speed indicated on speedometer |
| WHEEL SPD RL  | Rear left wheel speed reading/<br>min.: 0 km/h (0 mph)<br>max.: 326.4 km/h (202 mph)   | Actual wheel speed                                     | Speed indicated on speedometer |
| VEHICLE SPD   | Vehicle speed reading/<br>min.: 0 km/h (0 mph)<br>max.: 326.4 km/h (202 mph)           | Actual wheel speed                                     | Speed indicated on speedometer |
| TEST MODE     | Test mode/NORMAL or TEST                                                               | NORMAL: Normal mode<br>TEST: During test mode          | -                              |
| #CODES        | Number of DTC recorded/min.: 0,<br>max.: 255                                           | Min.: 0, Max.: -                                       | -                              |

### 2. ACTIVE TEST

#### HINT:

Perform the ACTIVE TEST using the intelligent tester to operate the ABS warning light. Performing the ACTIVE TEST is one of the methods to shorten labor time. It is possible to display the DATA LIST during the ACTIVE TEST.

- Connect the intelligent tester to the DLC3.
- Turn the ignition switch to the ON position.
- Following the display on the tester, perform the "ACTIVE TEST".

#### ABS:

| Item           | Vehicle Condition/Test Details | Diagnostic Note |
|----------------|--------------------------------|-----------------|
| ABS WARN LIGHT | ABS warning light/ON or OFF    | -               |

## ABS System Malfunction

### DESCRIPTION

The skid control ECU outputs DTCs when a speed sensor malfunction occurs or there is an open in the stop light switch assembly circuit of the ABS system. If the ABS system has a malfunction, the tire pressure warning system will not function.

### INSPECTION PROCEDURE

**1****CHECK DIAGNOSTIC TROUBLE CODE CHART**

- (a) Check that DTCs are output by the ABS system (See page [BC-13](#)).

**OK:**

**DTC is not output**

**NG**

**REPAIR CIRCUIT INDICATED BY OUTPUT DTC**

**OK**

**REPLACE BRAKE ACTUATOR ASSEMBLY**