

# B1BBC OCS NEGATIVE SYSTEM WEIGHT

- 1). When Monitored:  
While the CAN bus ignition status is in IGN\_RUN, the module checks the sensor input ranges.
- 2). Set Condition:  
If the module detects a seat weight sensor input with the total seat weight below -6.5 kg +/- 1kg.

Possible Causes
1. DAMAGE TO THE PASSENGER SEAT STRUCTURE, RISER ASSEMBLY, CROSSMEMBERS, SEAT TRACKS, FLOOR PAN
2. OBJECT UNDER SEAT OR REAR SEAT FOLDED DOWN AND RESTING AGAINST PASSENGER SEAT
3. OCCUPANT CLASSIFICATION MODULE (OCM)

## Diagnostic Test

- 1). TEST CONDITIONS  
ACTIVE INTERNAL DTC  
IGNITION DTC  
BATTERY DTC  
SEAT WEIGHT SENSOR DTC  
NOTE: Ensure the battery is fully charged.  
NOTE: When reconnecting Airbag system components, the ignition must be turned off and the battery must be disconnected.  
Turn the ignition on, then off, and then on again.  
With the scan tool, read Occupant Classification Module (OCM) DTCs.

Does the scan tool display any active DTCs listed above?

**Yes** >> Diagnose and repair the DTCs. Refer to the Table of Contents in this Section for a complete list of symptoms.

**No** >> Go To 2

- 2). ACTIVE OR STORED DTC  
With the scan tool, read OCM DTCs.  
Does the scan tool display active: B1BBC-NEGATIVE SYSTEM WEIGHT?  
**Yes** >> Go To 3  
**No** >> Go To 4

### 3). PERFORM OCCUPANT CLASSIFICATION MODULE SYSTEM VERIFICATION TEST

Verify that the passenger seat is empty.

Verify that all of the Seat Weight Sensor mounting screws are torqued to specification. Refer to 23 - BODY/SEATS.

NOTE: Failure to follow the test instructions or aborting the test will cause faults to set when performing the Occupant Classification Module System Verification Test. To prevent faults due to process errors: Verify That All Tests Steps That Led You Here Were Performed As Directed; Verify That The Ignition Is In Run; Wait 30 Seconds After Changing The Seat Weight Before Proceeding To Allow The System To Stabilize; Only Press Scan Tool Buttons When Directed To Do So; & Perform The Occupant Classification Module System Verification Test To Completion. With the scan tool in OCM, select More Options, select System Tests, and select Occupant Classification Module System Verification Test. Run the test by following the instructions displayed on the scan tool. When the test is complete, proceed as follows.

With the scan tool, read OCM DTCs.

Does the scan tool display active: B1BA8–OCS NOT CALIBRATED DTC?

**Yes** >> Perform the \*Diagnosis/Checkout Procedure For Seat Weight Sensors.

Perform OCS VERIFICATION TEST - VER 1.

No - But Other DTCs Present

Diagnose and repair the DTCs. Refer to the Table of Contents in this Section for a complete list of symptoms.

No - No Active DTCs Present

Perform OCS VERIFICATION TEST - VER 1.

### 4). STORED B1BBC-OCS NEGATIVE SYSTEM WEIGHT DTC

With the scan tool, record and erase all DTC's from all Airbag System Modules.

If any ACTIVE codes are present they must be resolved before diagnosing any stored codes.

WARNING: To avoid personal injury or death, turn the ignition off, disconnect the battery and wait two minutes before proceeding.

Using the wiring diagram/schematic as a guide, inspect the wiring and connectors.

Look for chaffed, pierced, pinched, or partially broken wires and broken, bent, pushed out, spread, corroded, or contaminated terminals.

The following additional checks may assist you in identifying a possible intermittent problem.

Reconnect any disconnected components and harness connector.

WARNING: To avoid personal injury or death, turn the ignition on, then

reconnect the battery.

With the scan tool monitor active codes as you work through the following steps.

Wiggle the wiring harness and connectors of the related airbag circuit or component.

If codes are related to the Driver Airbag circuits, rotate the steering wheel from stop to stop.

IF only stored codes return continue the test until the problem area has been isolated.

In the previous steps you have attempted to recreate the conditions responsible for setting active DTC in question.

Are any ACTIVE DTC's present?

**Yes** >> Select appropriate symptom from Symptom List.

**No** >> No problem found at this time. Erase all codes before returning vehicle to customer.

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