

C15AE-00-COMPRESSOR PRESSURE LINE LEAK-

For a complete AIR SUSPENSION SYSTEM wiring diagram, ([refer to the Wiring Information](#)).

When Monitored and Set Conditions

When Monitored:

- With the Ignition on.
- Battery voltage between 9 and 16 volts.
- ASCM is not in Sleep mode.

Set Conditions:

- The Air Suspension Control Module (ASCM) has blockage between ASCM unit and reservoir due to interval valve, compressor or filter issue

Default Actions:

- "Service Air Suspension" message displayed.
- Manual level changes no longer performed

Possible Causes
INTERNAL PNEUMATIC BLOCKAGE INTAKE AIR LINE (AIR SUSPENSION HOSE ASSEMBLY) LOW AIR MASS DUE TO AIR LEAK AIR SUSPENSION CONTROL MODULE (ASCM)

Always perform the PRE-DIAGNOSTIC TROUBLESHOOTING PROCEDURE before proceeding. ([Refer to 28/Module-ASCM/ Standard Procedure](#))

Diagnostic Test

1. READ AND RECORD DTCS AND ENVIRONMENTAL DATA - ERASE DTCS AND CHECK FOR DTC TO RETURN

+ Test Information

Did the DTC return?

Yes

- Go To [2](#)

No

- Perform the ASCM INTERMITTENT CONDITION diagnostic procedure. ([Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure](#)) followed by the ASCM VERIFICATION TEST ([Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure](#))
- If DTC **DOES NOT** return after VERIFICATION TEST, Test Complete. Condition that caused DTC has cleared.
- If DTC **DOES** return after VERIFICATION TEST, Go to [2](#)

2. CHECK AIR SUSPENSION INTAKE HOSE FOR DAMAGE, KINKS, OR PINCHING

+ Test Information**Were any problems found?****Yes**

- Repair as necessary.
- Perform the ASCM VERIFICATION TEST. ([Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure](#)).

No

- Go To [3](#)

3. REMOVE THE AIR SUSPENSION HOSE ASSEMBLY (INTAKE) AND CHECK FOR DTCS WITH IT REMOVED

+ Test Information**Does the DTC remain active?****Yes**

- Go To [4](#)

No

- Replace or Repair the Air Suspension Hose Assembly in accordance with the Service Information. ([Refer to 02 - Front Suspension/Air Suspension/HOSE ASSEMBLY, Air Suspension/Removal and Installation](#)).
- Perform the ASCM VERIFICATION TEST. ([Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure](#)).

4. LOOK FOR AIR LEAK(S) USING THE “ASCM LEAK DOWN TEST” ON THE SCAN TOOL

1.

0:01 / 3:53

With the Scan Tool, perform the “ASCM Leak Down test”

2. Follow the prompts for the routine, Vehicle will need to be parked on a level surface during the test. **NOTE:** DTC **C2212-00 ECU IN PLANT MODE** will be active while ASCM is in “In Plant Mode”; Disregard during test
3. Let the vehicle sit for a minimum of four hours and a maximum of 24 hours.
NOTE: Driving the vehicle above 12 mph will cause the ASCM to exit “In Plant Mode” leaving the possibility of the ASCM auto-adjusting; accuracy of leak test will be compromised. **NOTE:** Scan tool POD can be removed while the vehicle sits.
4. After letting vehicle sit, go back to scan tool, go to “ASCM Leak Down test” and choose “Returning to view results”
5. Follow Prompts to access before and after report readings for leak test.

Were the Ride Height values much lower in one corner(s), indicating an air leak?

Yes

- This indicates there is an air leak, Go to [\(Refer to 02-Front Suspension/Air Suspension/Diagnosis and Testing\)](#).

NOTE: The air spring with the largest difference in value is a good indicator as to where the leak is present, whether it is the air spring or air line.

No

- Go to [5](#)

5. REPLACE THE INTAKE AIR LINE (AIR SUSPENSION HOSE ASSEMBLY).

1. Replace the Intake Air Line. [\(Refer to 02 - Front Suspension/Air Suspension/HOSE ASSEMBLY, Air Suspension/Removal and Installation\)](#)
2. Perform the ASCM VERIFICATION TEST. [\(Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure\)](#)
3. With the scan tool, erase all DTCs.
4. Turn the ignition off for a minimum of 10.0 seconds.

5. Turn the ignition on.
6. With the scan tool, read DTCs.

Did the DTC return?**Yes**

- Go To [6](#)

No

- Condition that set DTC was corrected by replacing Intake Air line.
- Test Complete.

6. REPLACE THE AIR SUSPENSION CONTROL MODULE (ASCM) AND RETEST FOR DTCS

** Test Information****Did the DTC return?****Yes**

- Go To [\(Refer to 28- ASCM/Standard Procedure/Pre-Diagnostic Troubleshooting\)](#)

No

- Replacing the faulty component repaired the fault.
- Perform the ASCM VERIFICATION TEST. [\(Refer to 28 - DTC-Based Diagnostics/MODULE, Air Suspension Control \(ASCM\) - Standard Procedure\)](#).