

Ford Aviator Air Suspension System

Depressurize and Pressurize

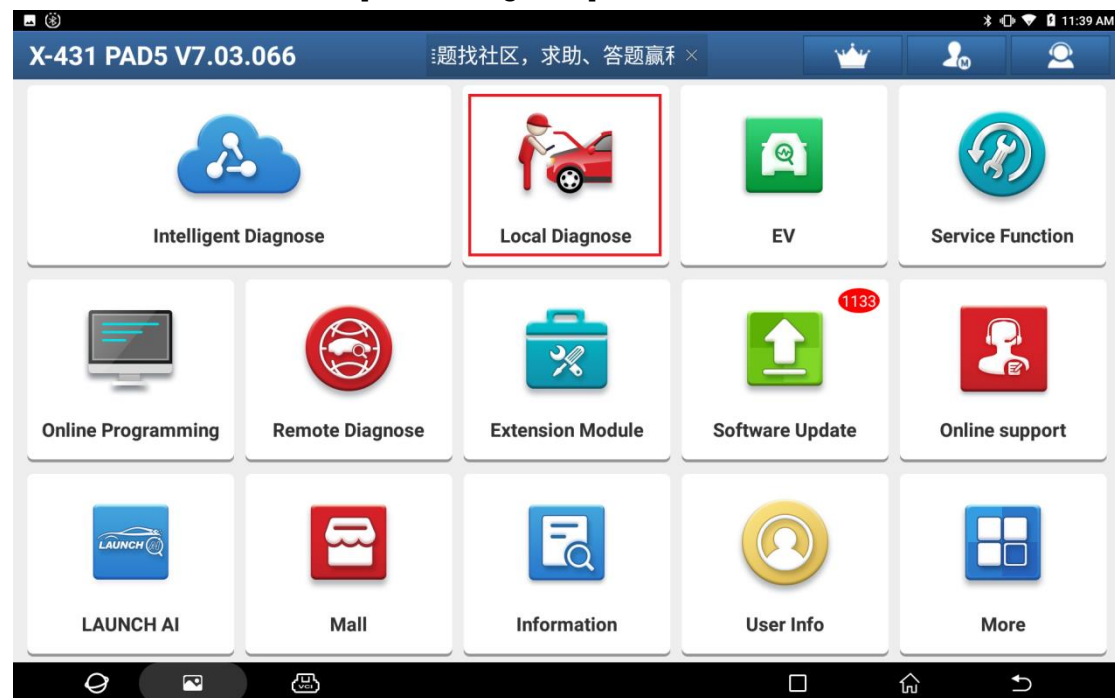
Supported Equipment: Launch's full range of comprehensive diagnostic equipment

Current Equipment: PAD 5

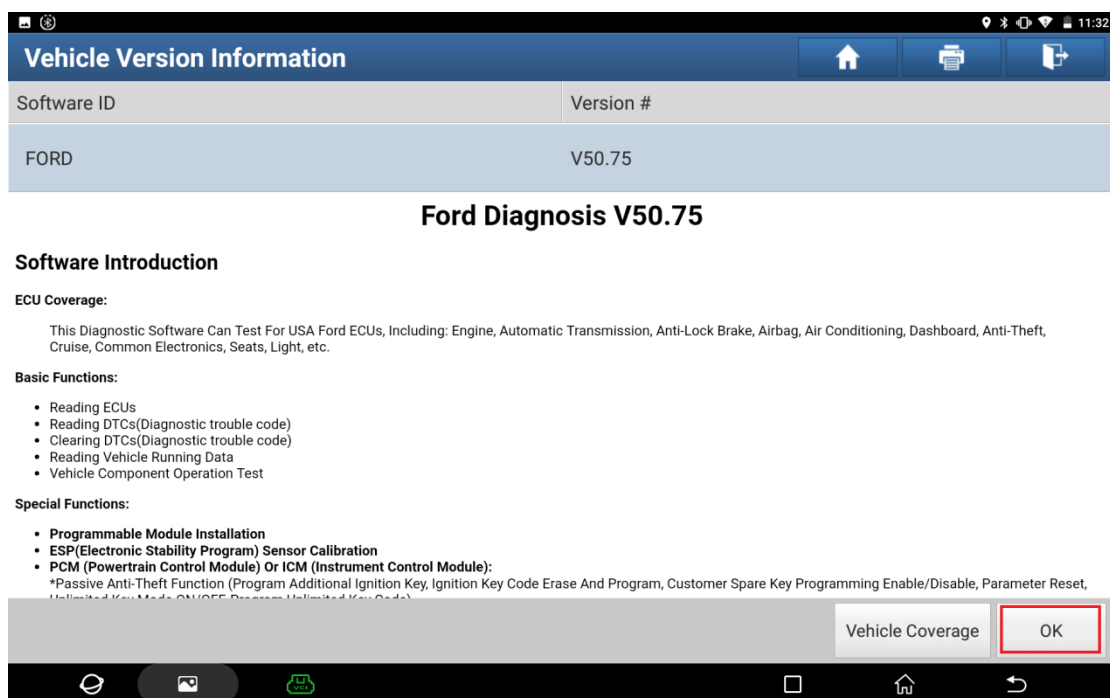
Function Description: This function is used to pressurize and depressurize the air suspension system during component replacement.

Tested Model: Ford/2025/Aviator, VIN: 5LM5J7XC3SGL *****

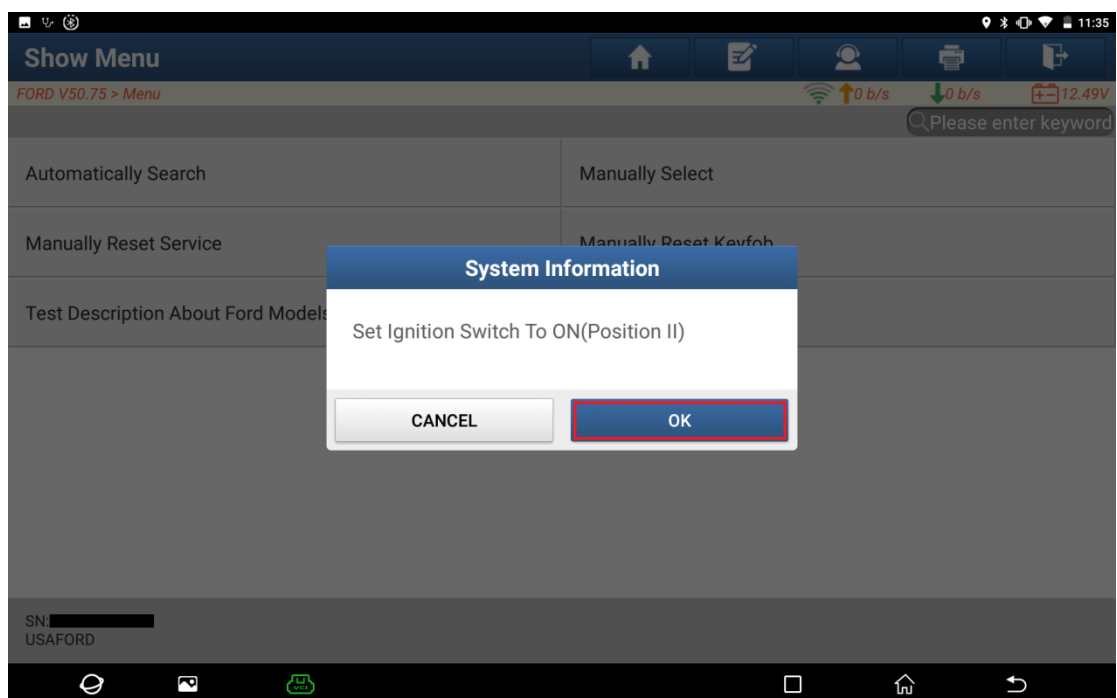
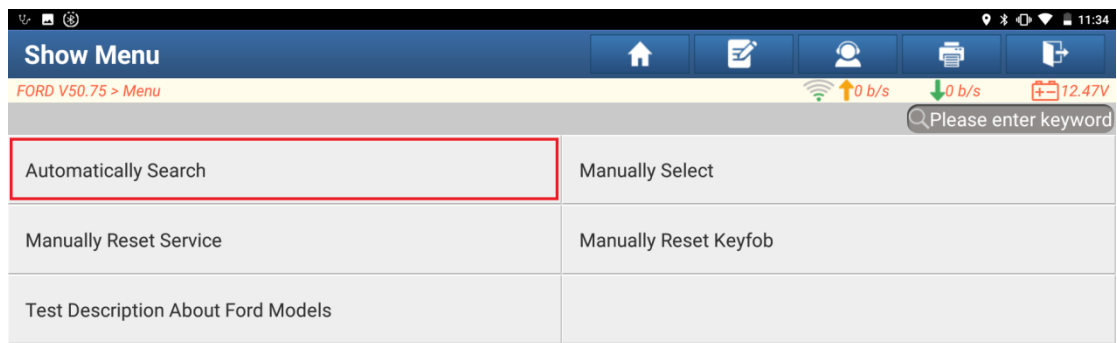
1. On a PAD 5, choose [Local Diagnose].

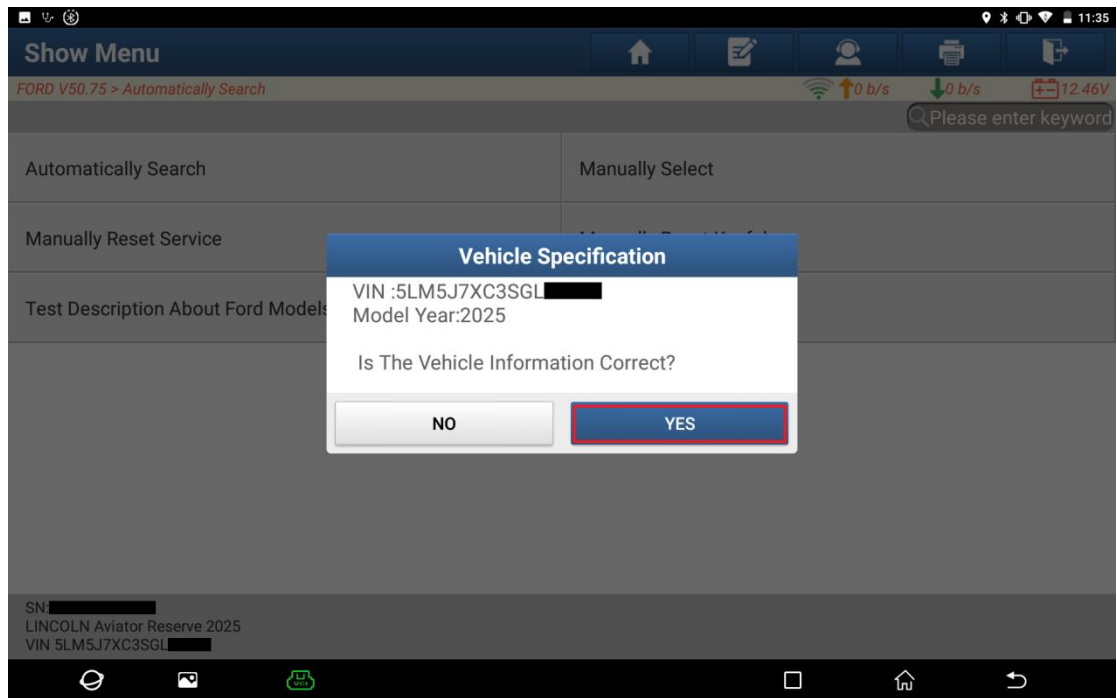


2. Choose [FORD] to test.

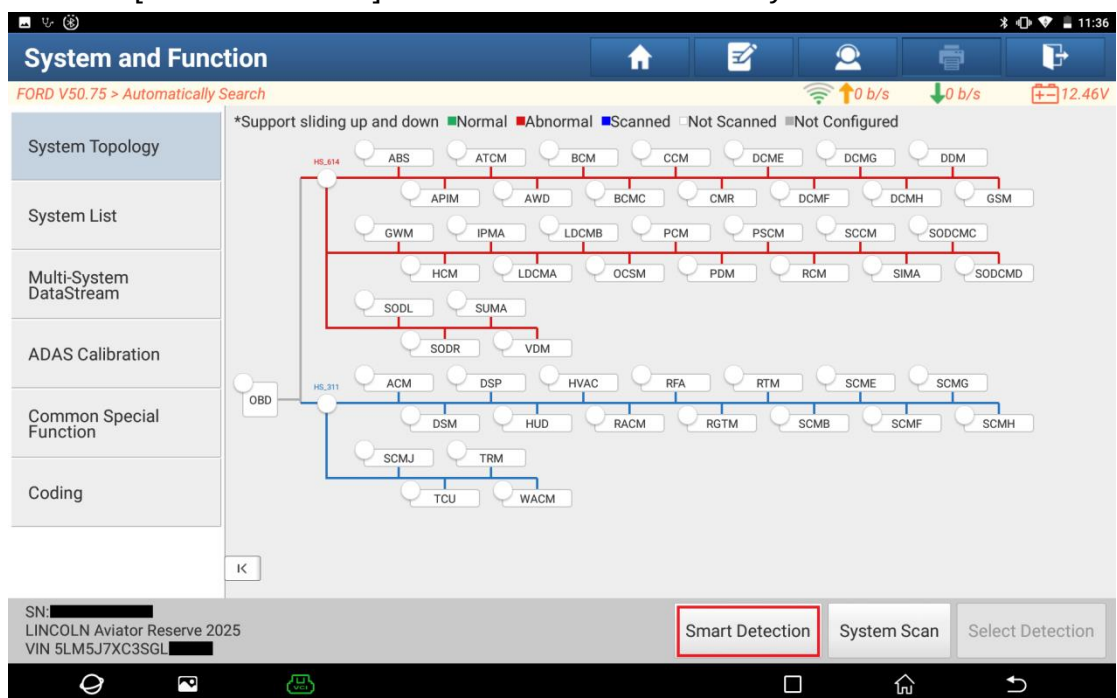


3. Choose [Automatically Search] to identify vehicle models automatically.





4. Click [Smart Detection] to scan the entire vehicle systems.



5. Click [SUMA (Suspension Control Module A)] to enter the system.

System and Function

FORD V50.75 > Automatically Search

*Support sliding up and down ■ Normal ■ Abnormal ■ Scanned ■ Not Scanned ■ Not Configured

System Topology

System List

Multi-System DataStream

ADAS Calibration

Common Special Function

Coding

SN: [REDACTED]
LINCOLN Aviator Reserve 2025
VIN 5LM5J7XC3SGL [REDACTED]

s Pin Detection

Report

Compare Results

Diagnostic Plan

Clear DTCs

System and Function

FORD V50.75 > Automatically Search

*Support sliding up and down ■ Normal ■ Abnormal ■ Scanned ■ Not Scanned ■ Not Configured

System Topology

System List

Multi-System DataStream

ADAS Calibration

Common Special Function

Coding

SN: [REDACTED]
LINCOLN Aviator Reserve 2025
VIN 5LM5J7XC3SGL [REDACTED]

tion

Can Bus

Report

Compare Results

Diagnostic Plan

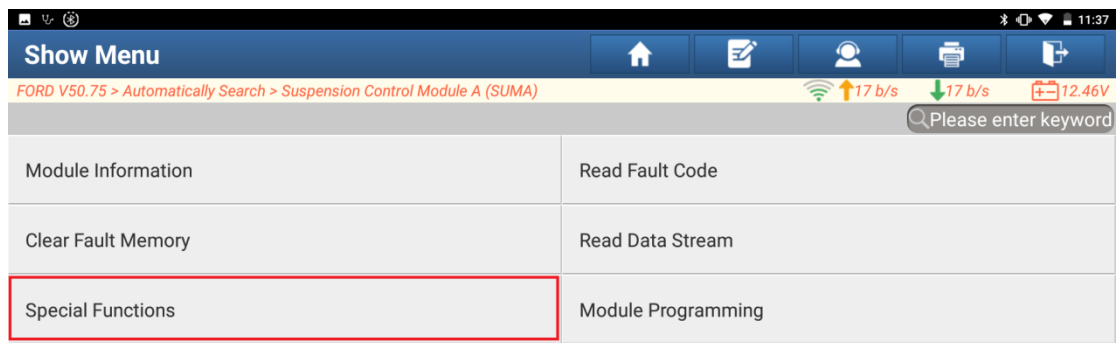
Clear DTCs

Suspension Control Module A (SUMA)

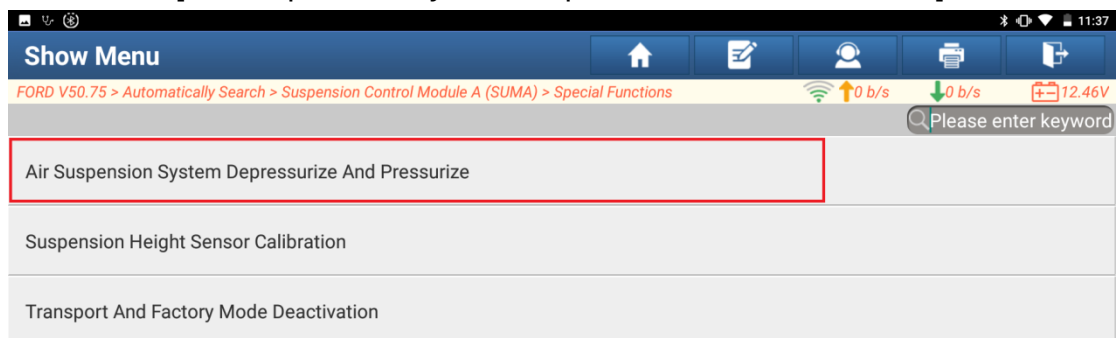
No DTC

ENTER

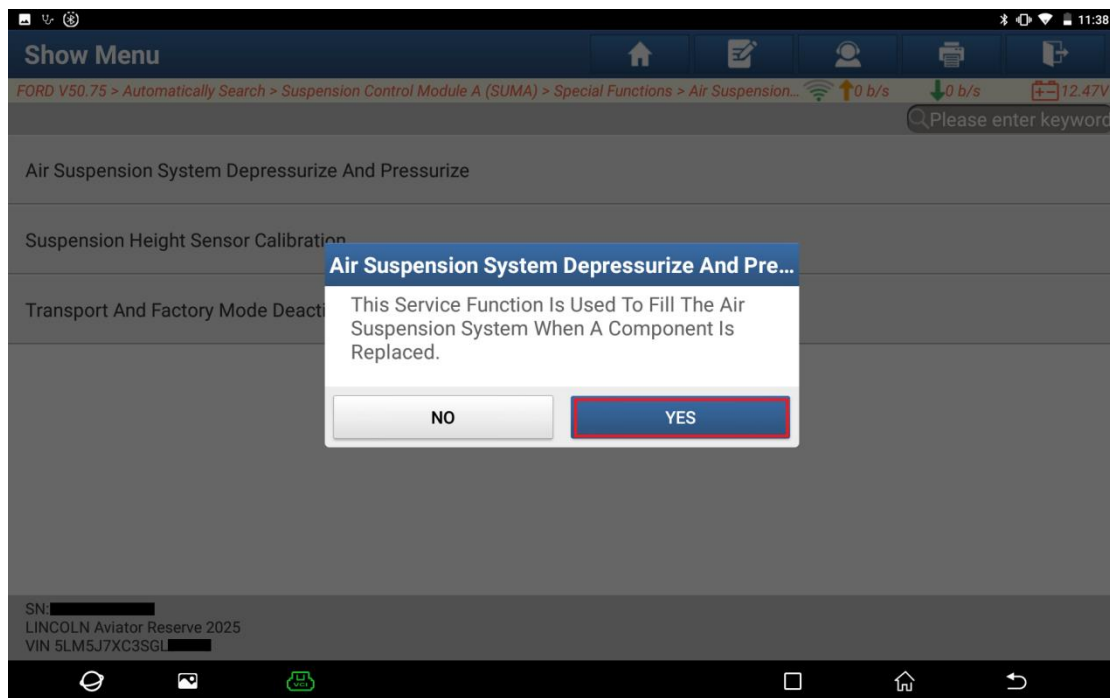
6. Choose [Special Functions].



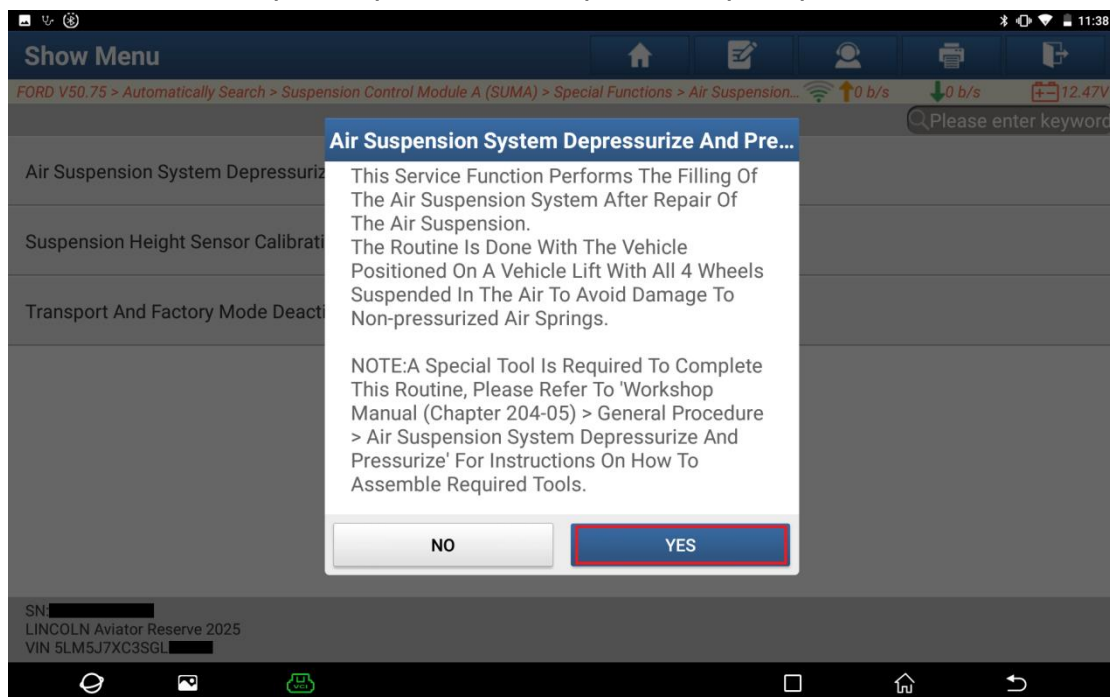
7. Choose [Air Suspension System Depressurize And Pressurize].



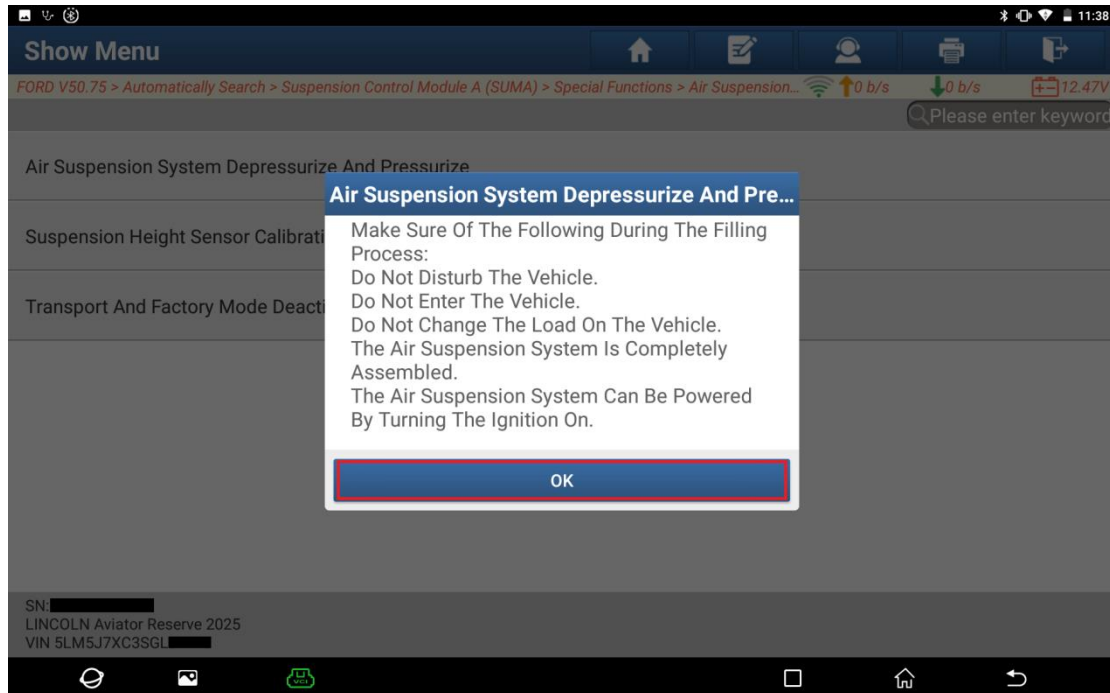
8. Program function introduction.



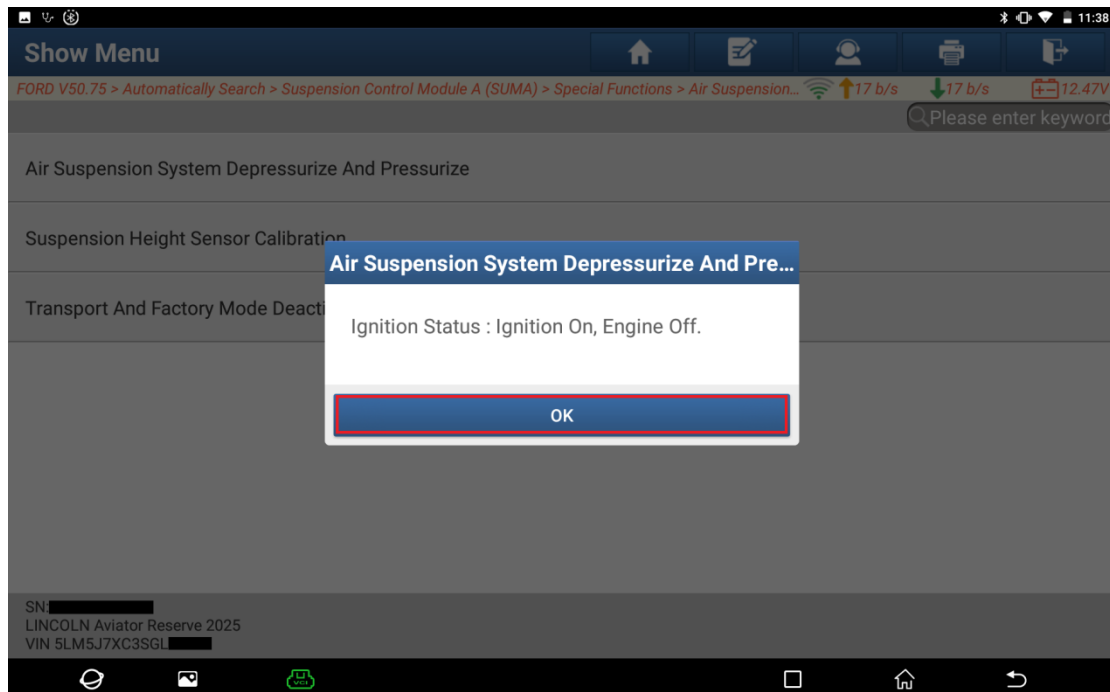
9. This function requires specific tools. Operate as prompted.



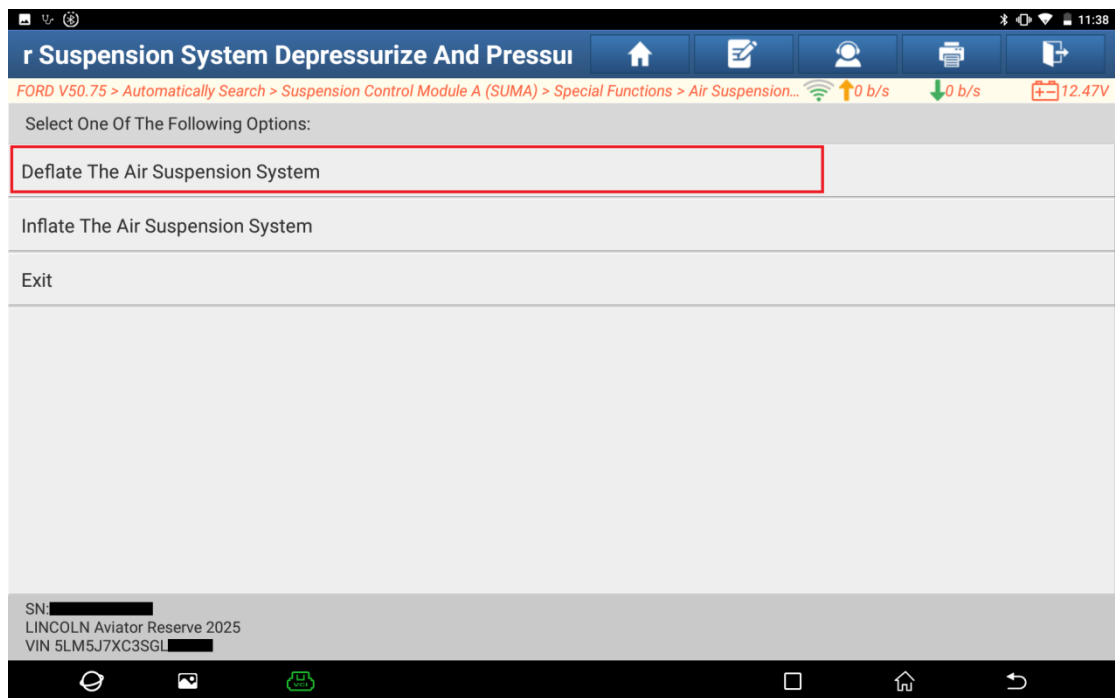
10. Ensure that all conditions specified in the prompts are met during the filling process.



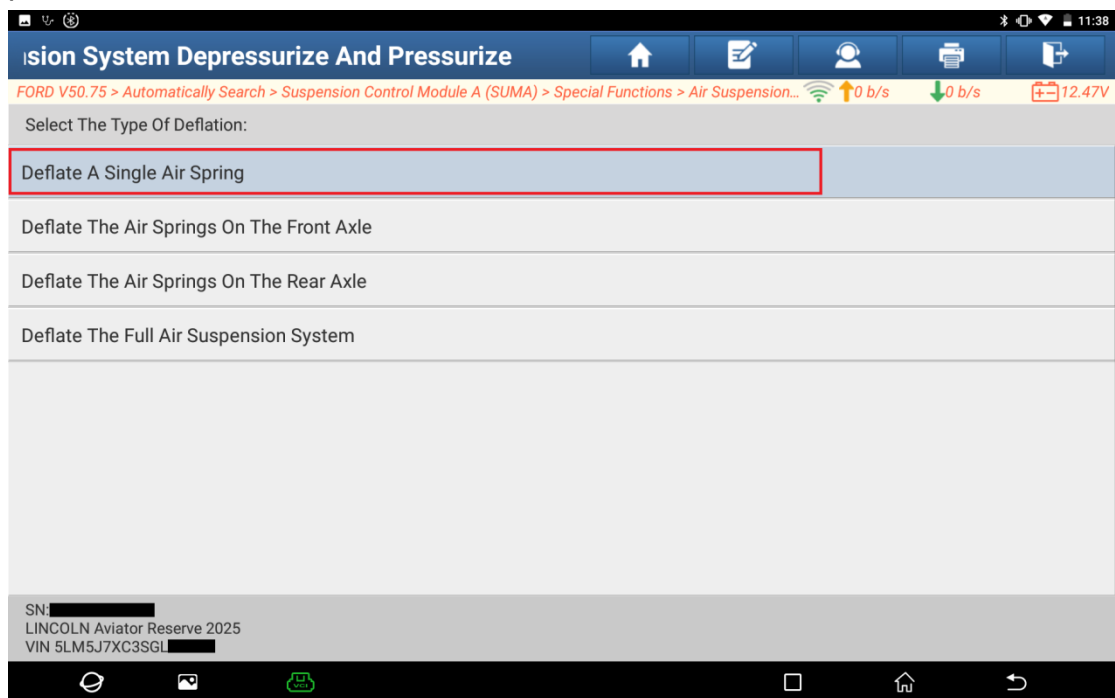
11. Ignition status: Ignition on, engine off



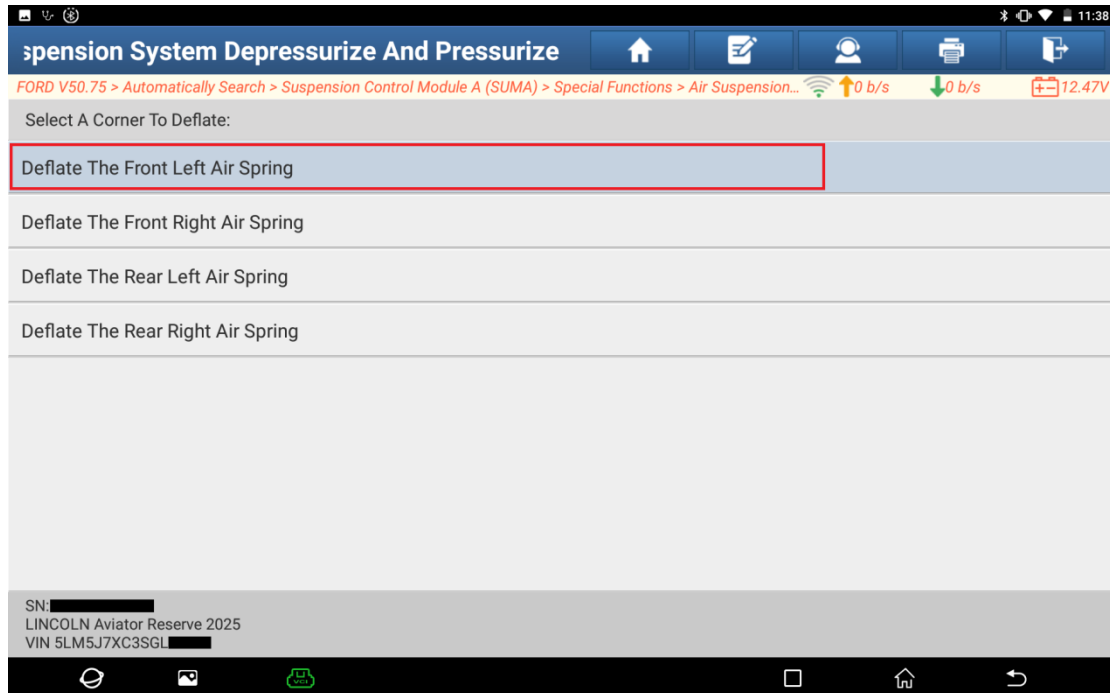
12. Choose [Deflate The Air Suspension System].



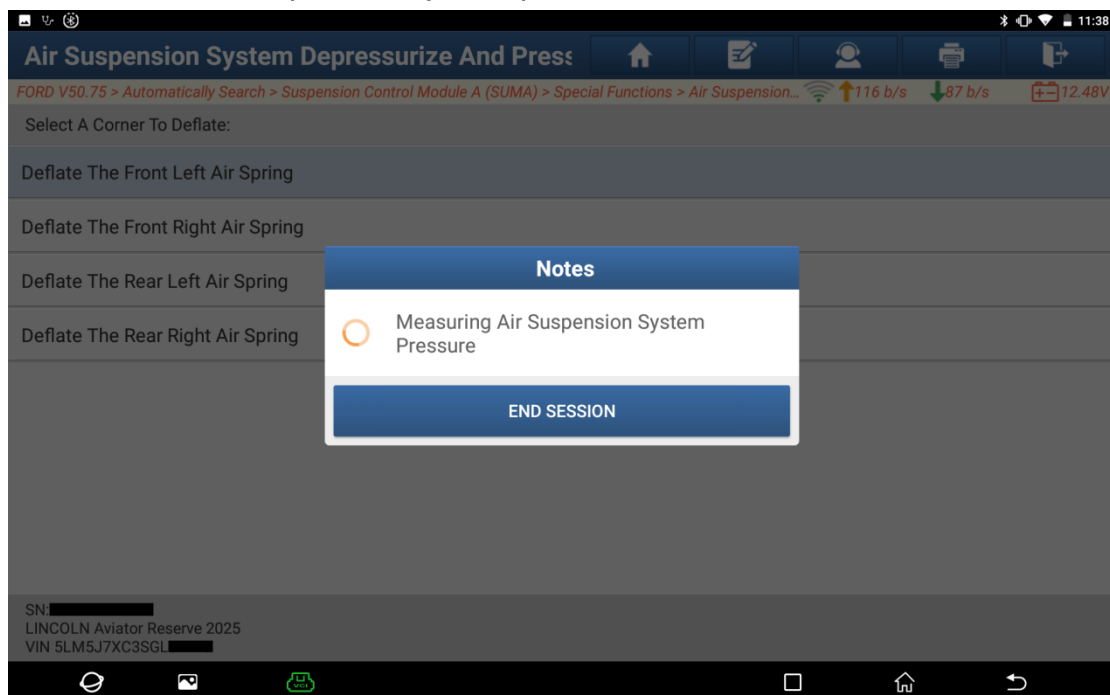
13. Choose the deflation type. If you choose [Deflate A Single Air Spring], proceed as follows.



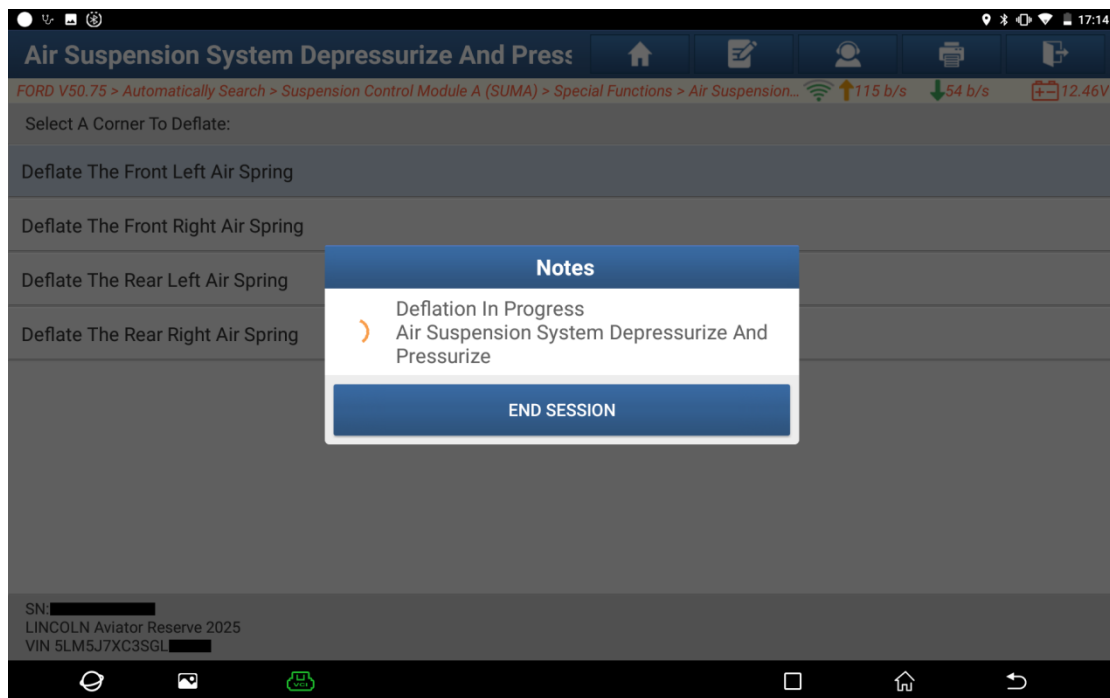
14. Choose a corner to deflate. Take [Deflate The Front Left Air Spring] as an example. Steps for other options are identical.



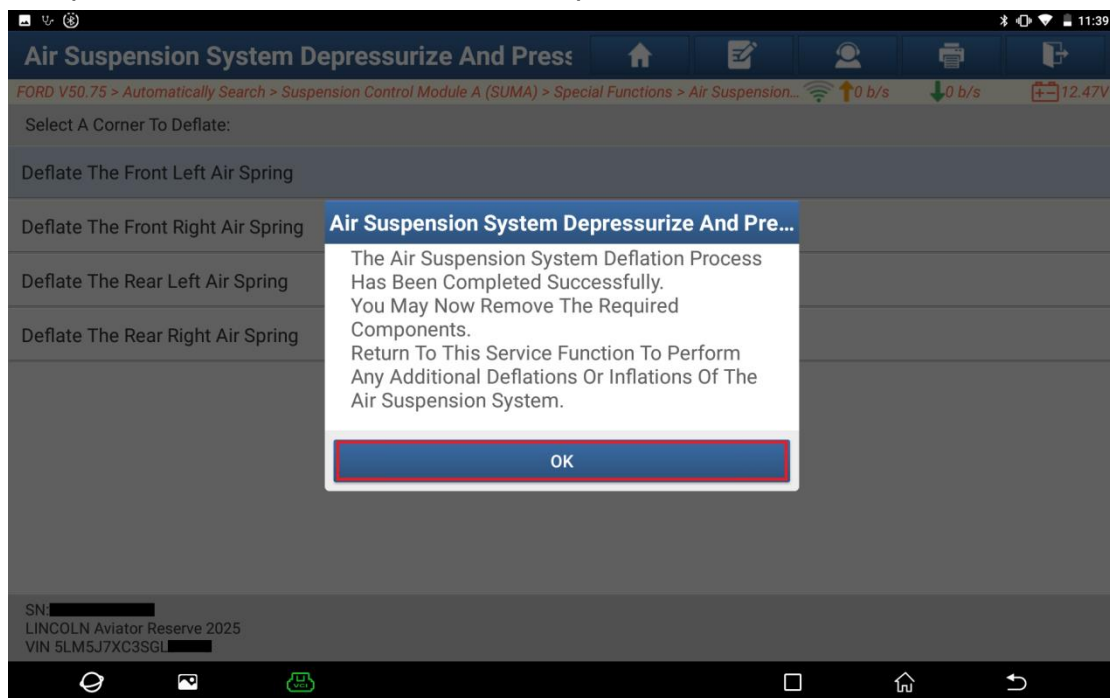
15. Measure air suspension system pressure.



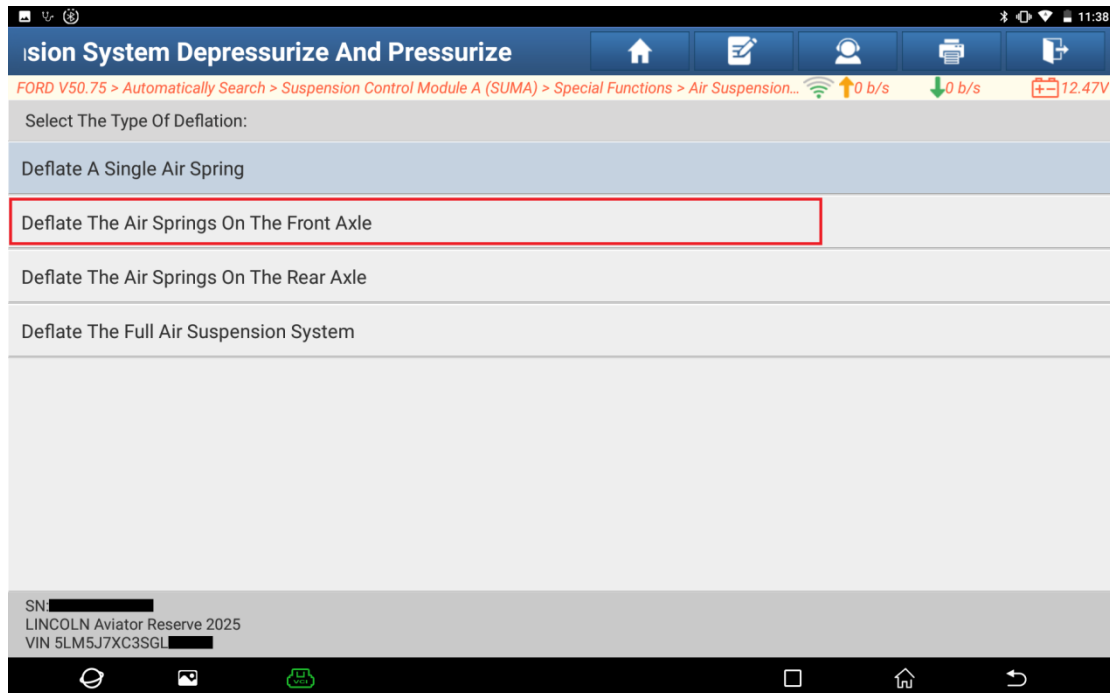
16. Wait for the air suspension system to complete deflation.



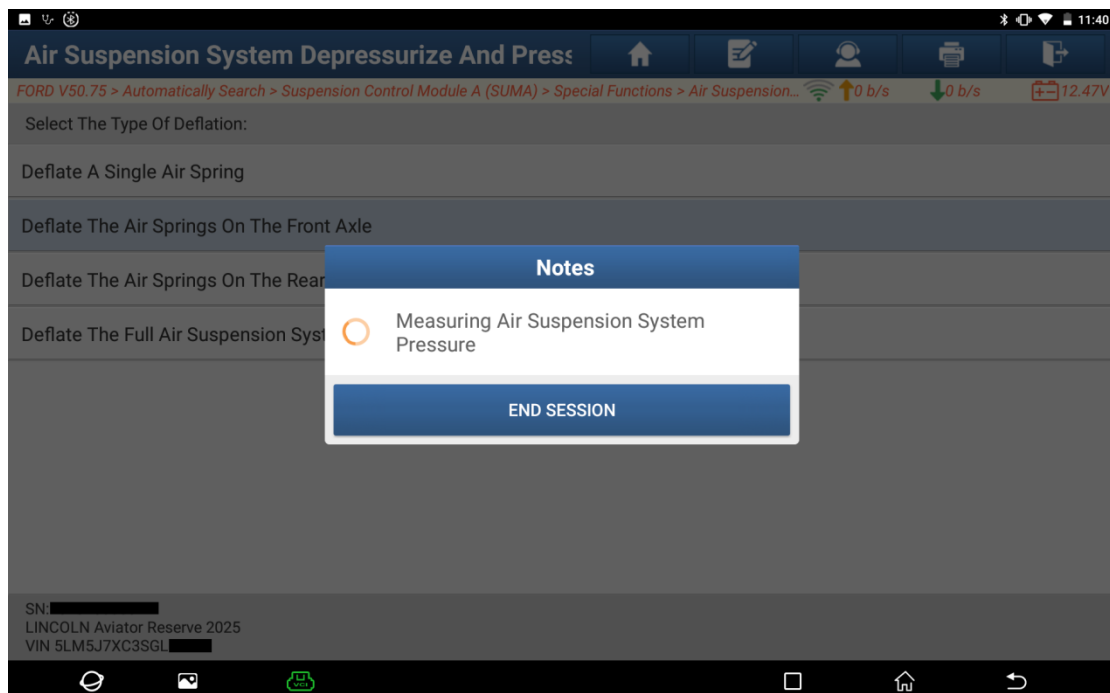
17. Air suspension system deflation completed. Click "OK" to exit this function and perform other deflation or inflation operations.



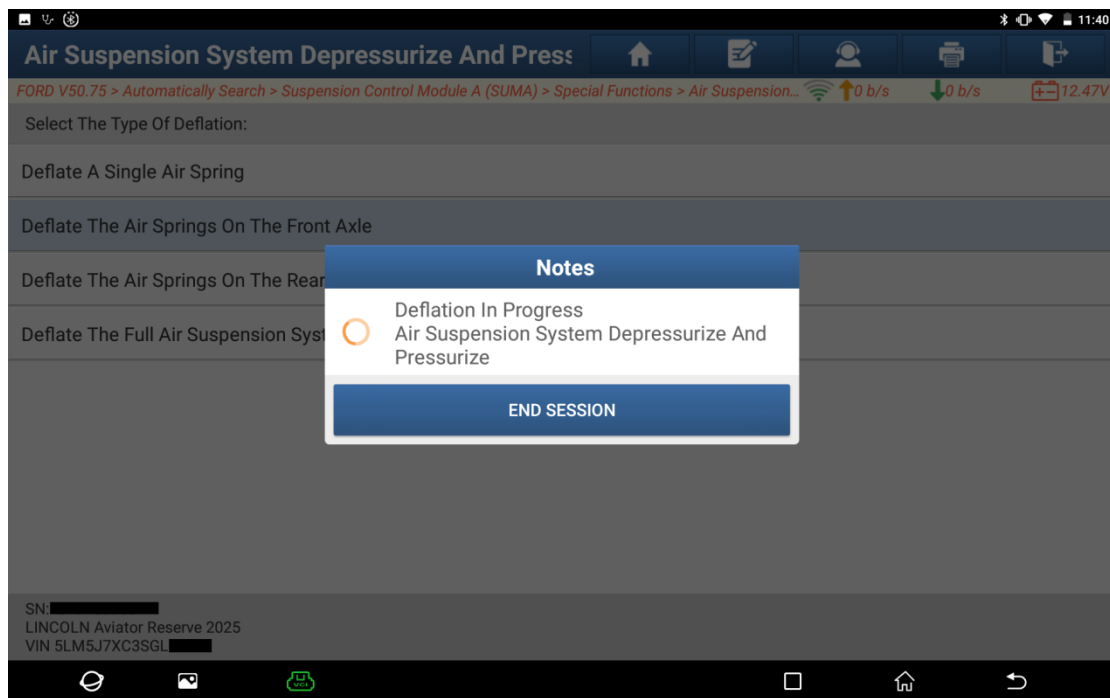
18. If you choose [Deflate The Air Springs On The Front Axle] in step 13, proceed as follows (steps for [Deflate The Air Springs On The Rear Axle] are identical).



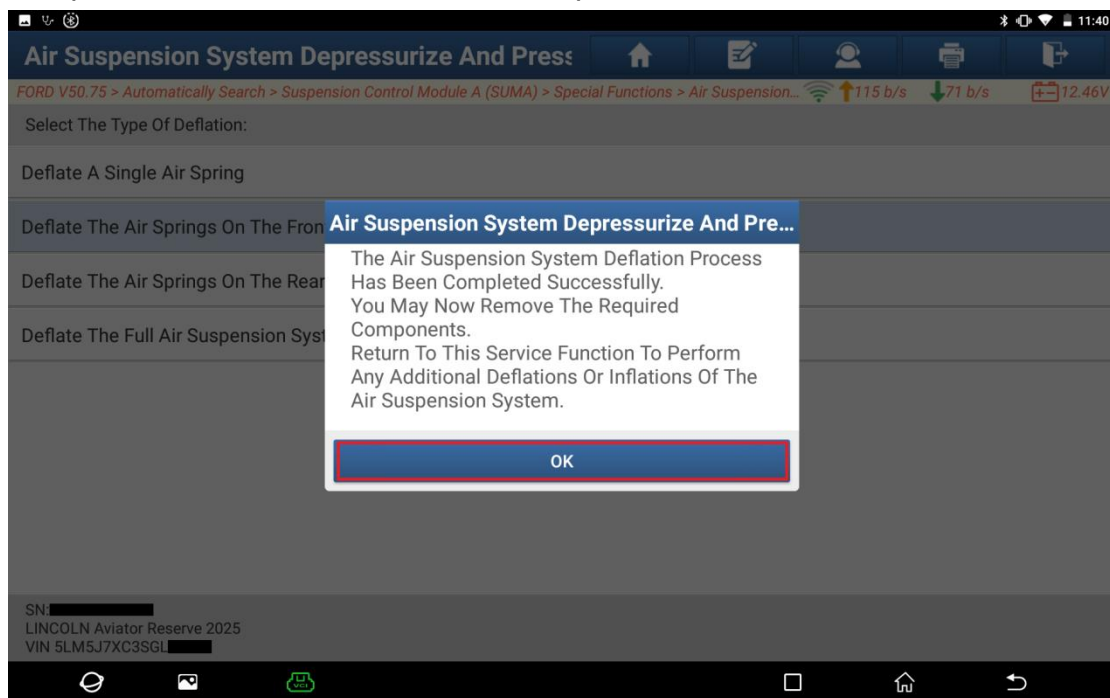
19. Measure air suspension system pressure.



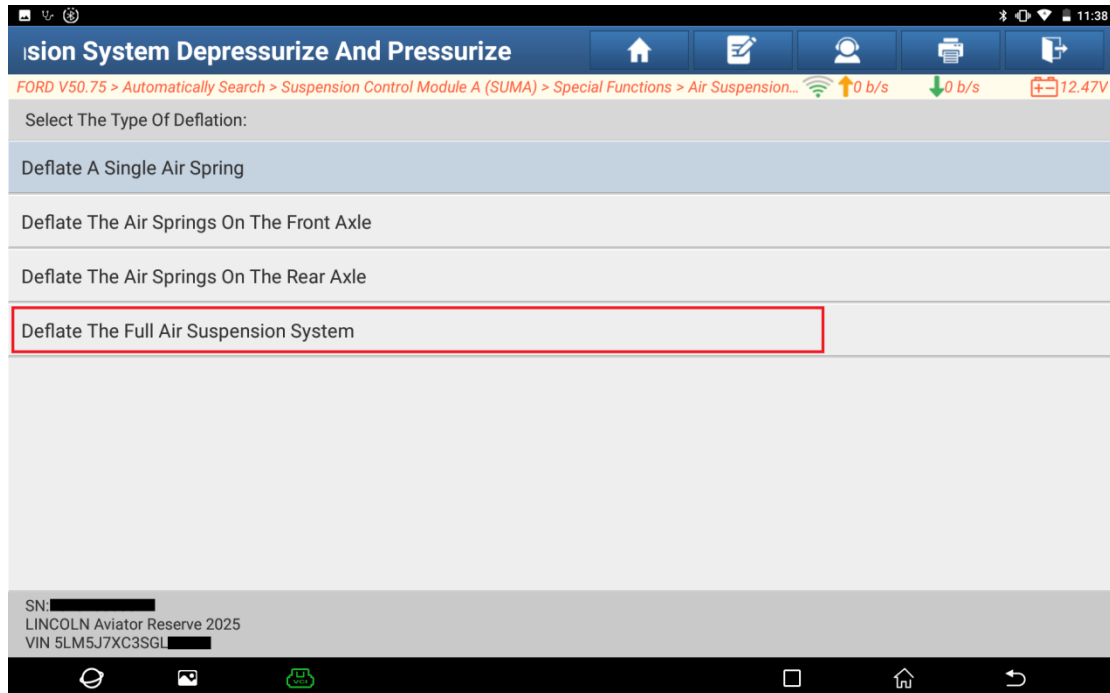
20. Wait for the air suspension system to complete deflation.



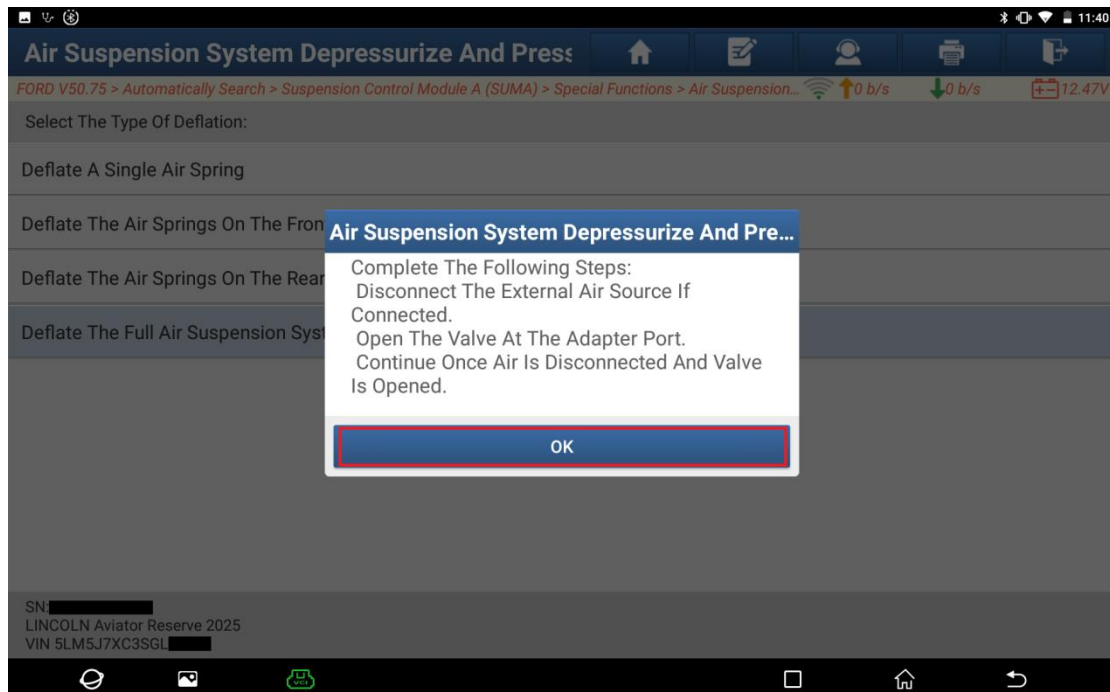
21. Air suspension system deflation completed. Click "OK" to exit this function and perform other deflation or inflation operations.



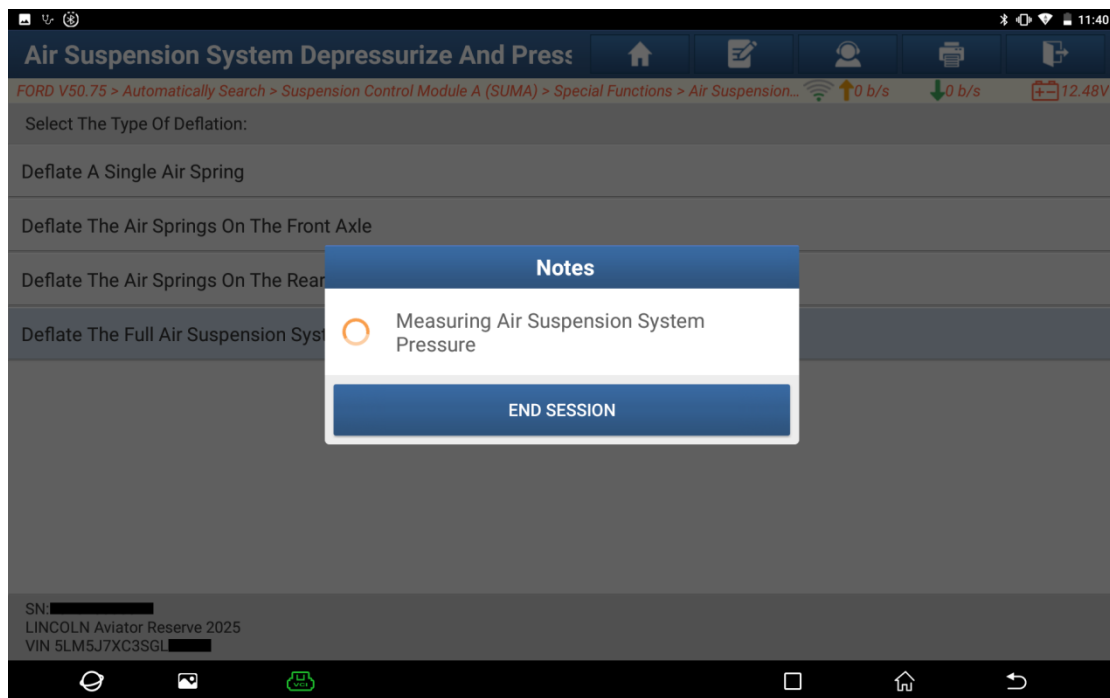
22. If you choose [Deflate The Full Air Suspension System] in step 13, proceed as follows.



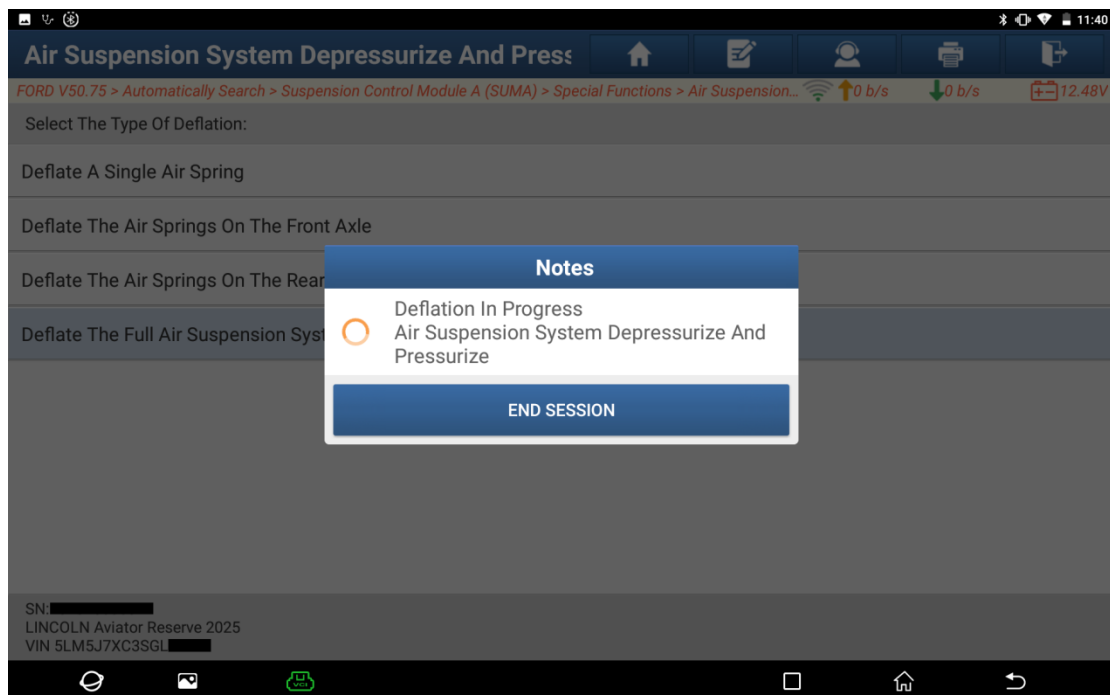
23. Follow the prompts to operate.



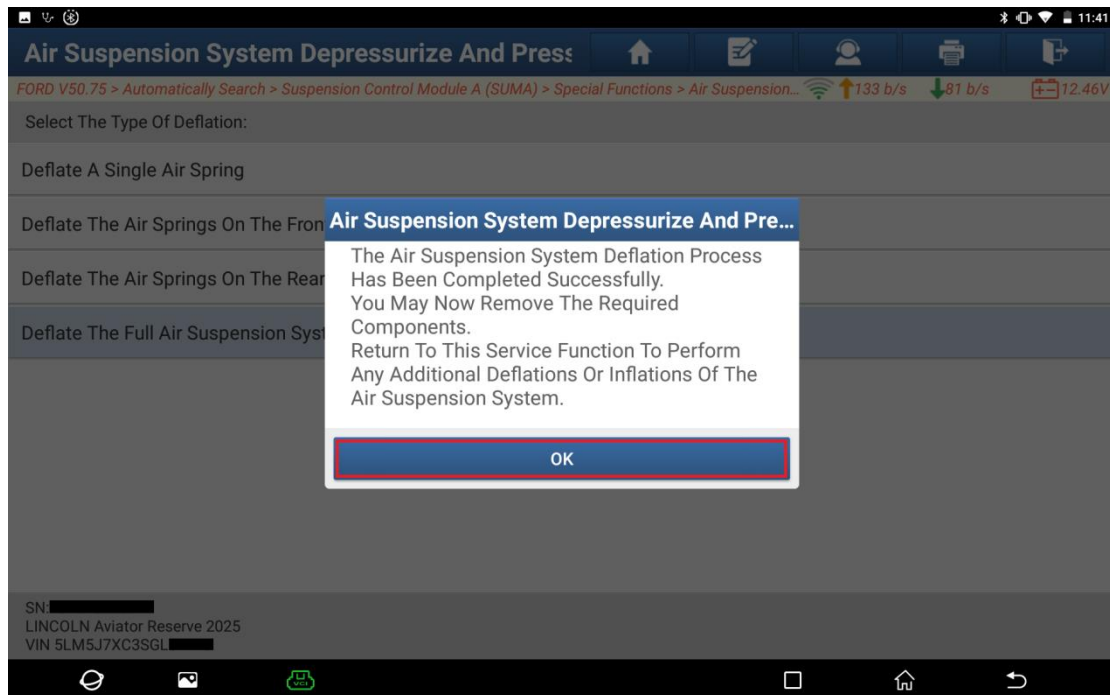
24. Measure air suspension system pressure.



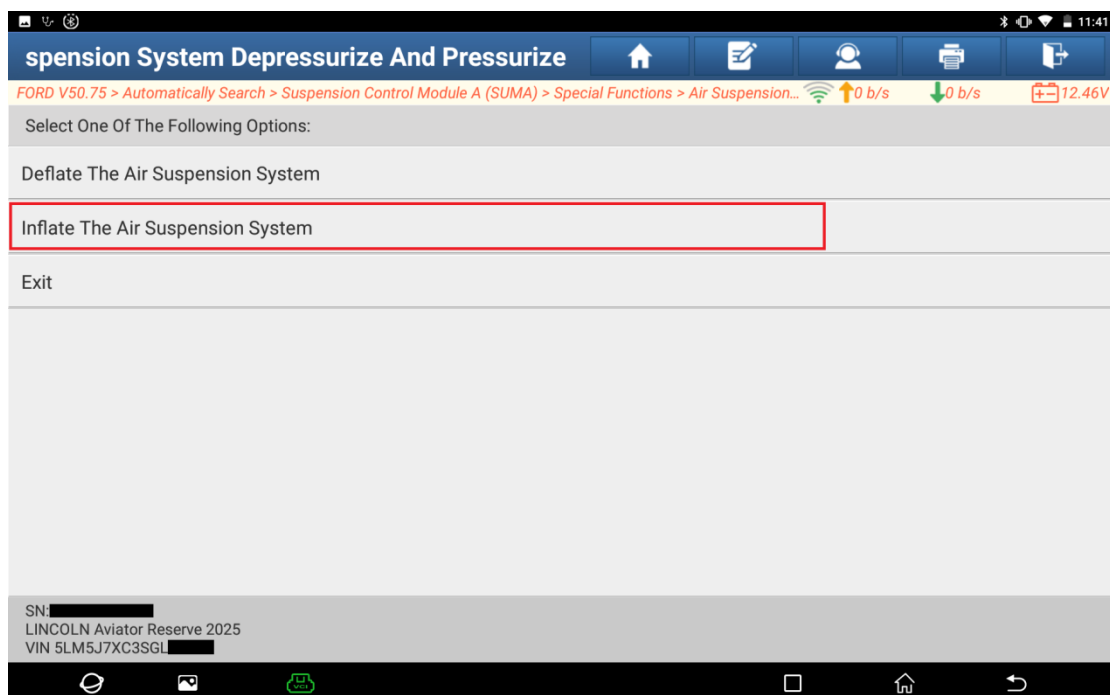
25. Wait for the air suspension system to complete deflation.



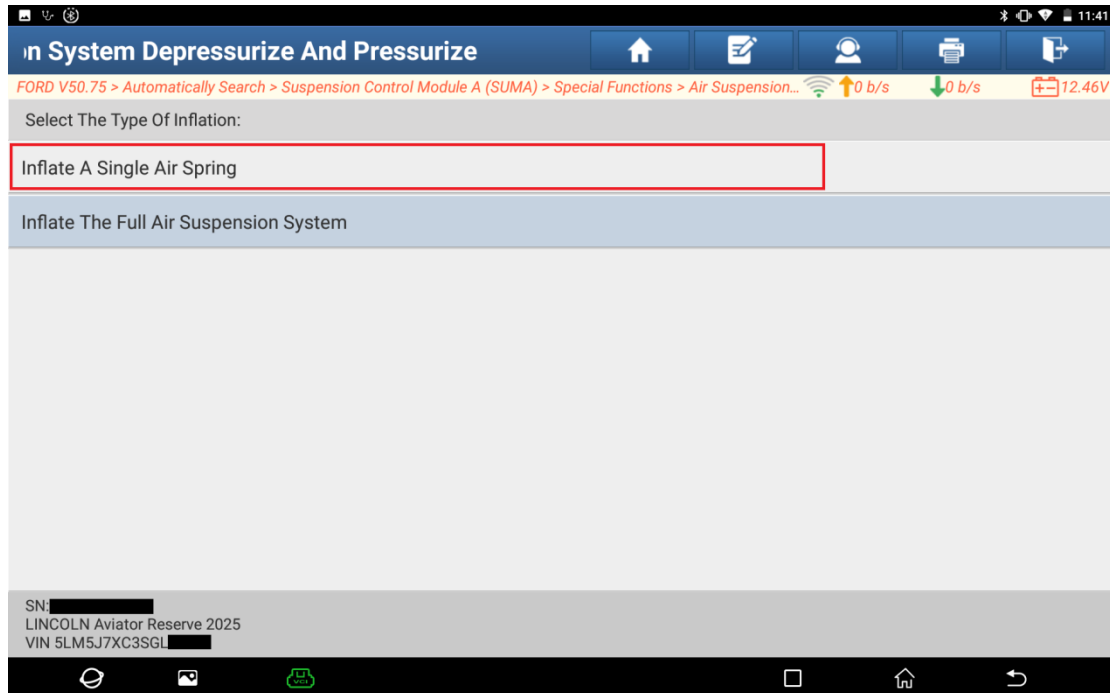
26. Air suspension system deflation completed. Click "OK" to exit this function and perform other deflation or inflation operations.



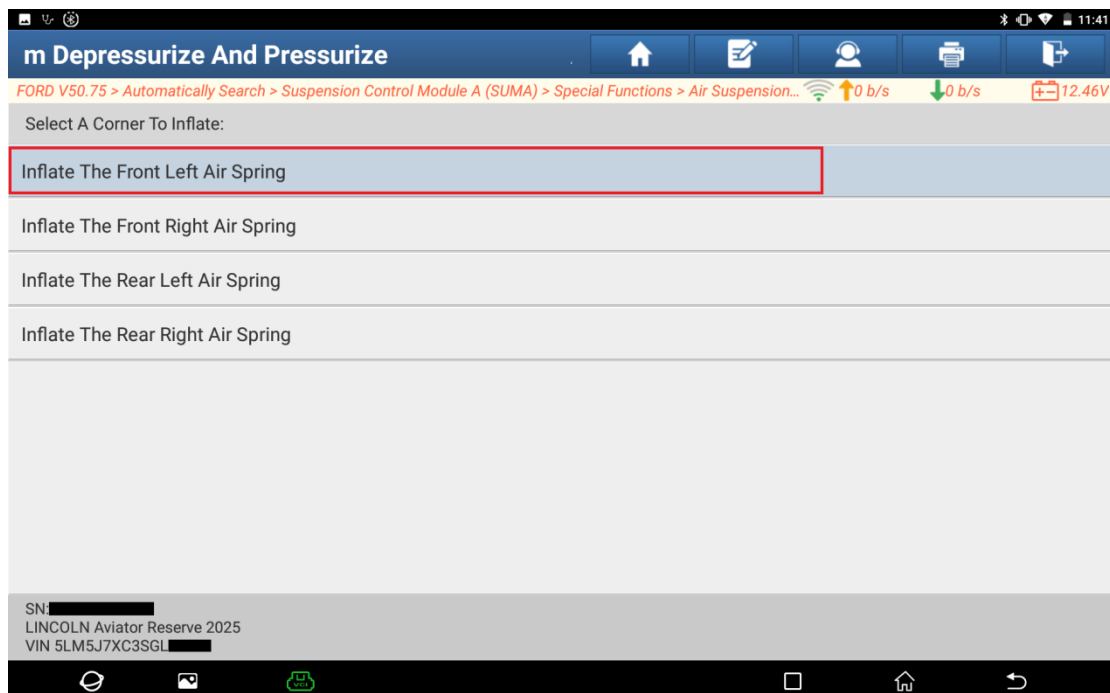
27. If you choose [Inflate The Air Suspension System] in step 12, proceed as follows.



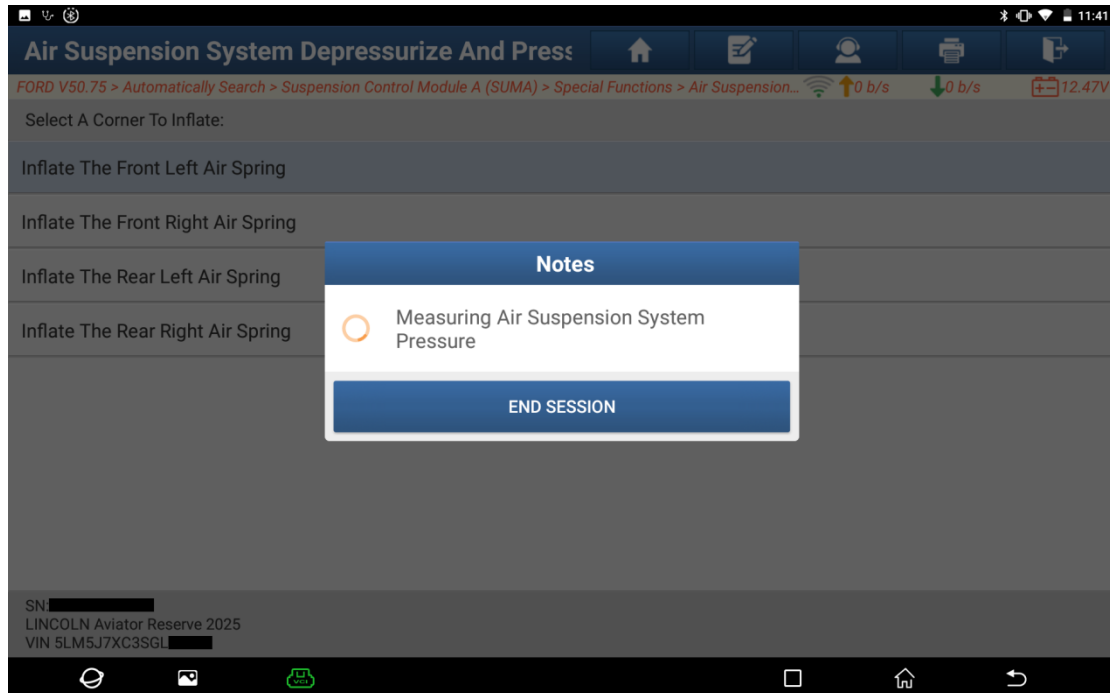
28. Choose the inflation type. If you choose [Inflate A Single Air Spring], proceed as follows.



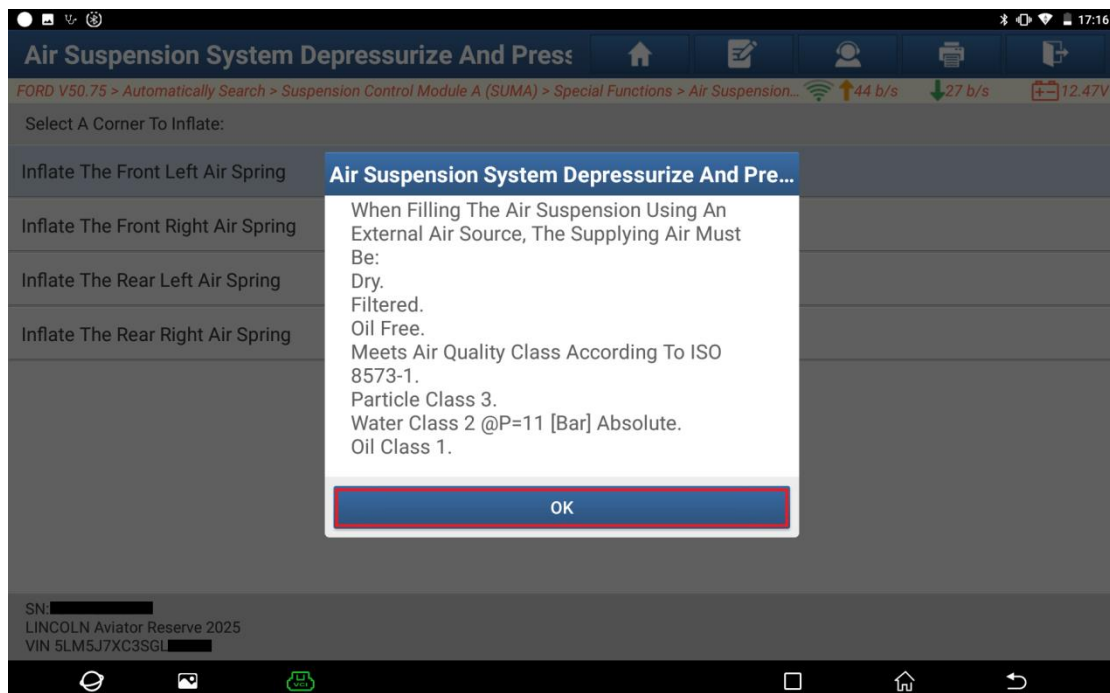
29. Choose a corner to inflate. Take [Inflate The Front Left Air Spring] as an example. Steps for other options are identical.



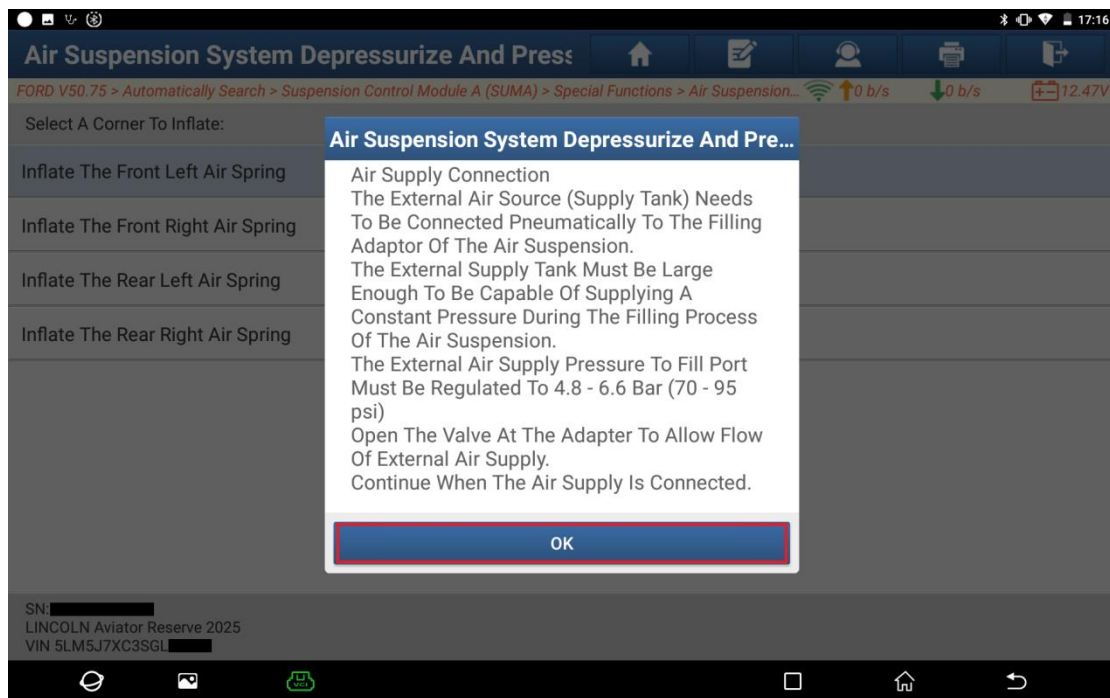
30. Measure air suspension system pressure.



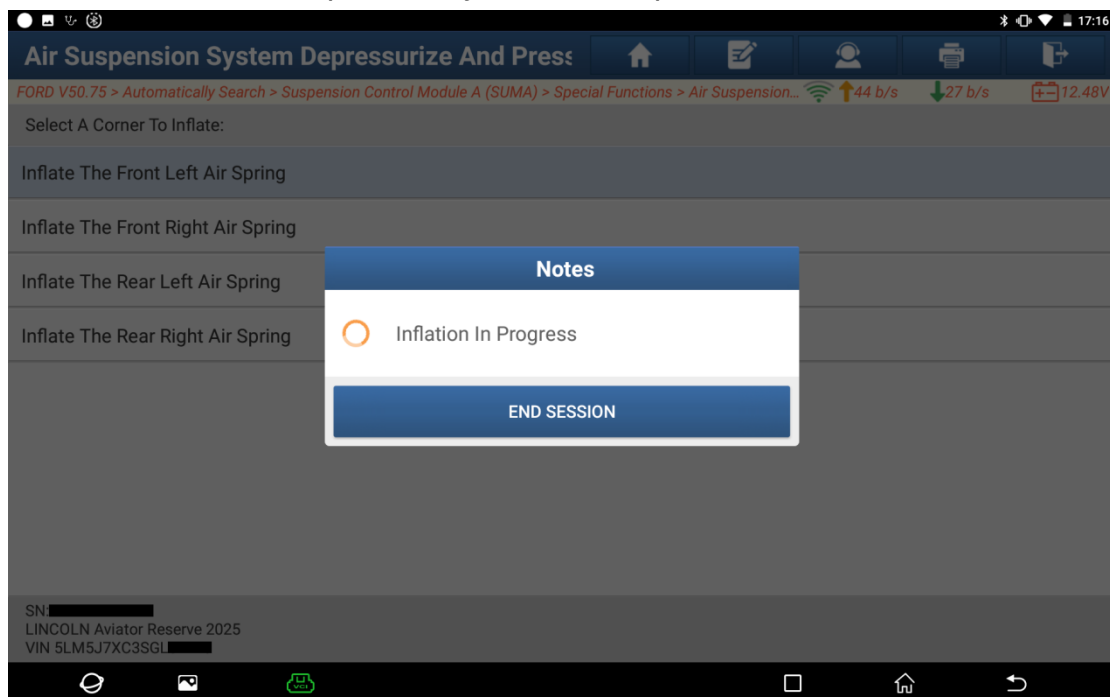
31. When filling the air suspension using an external air source, ensure that the supply air meets the following conditions.



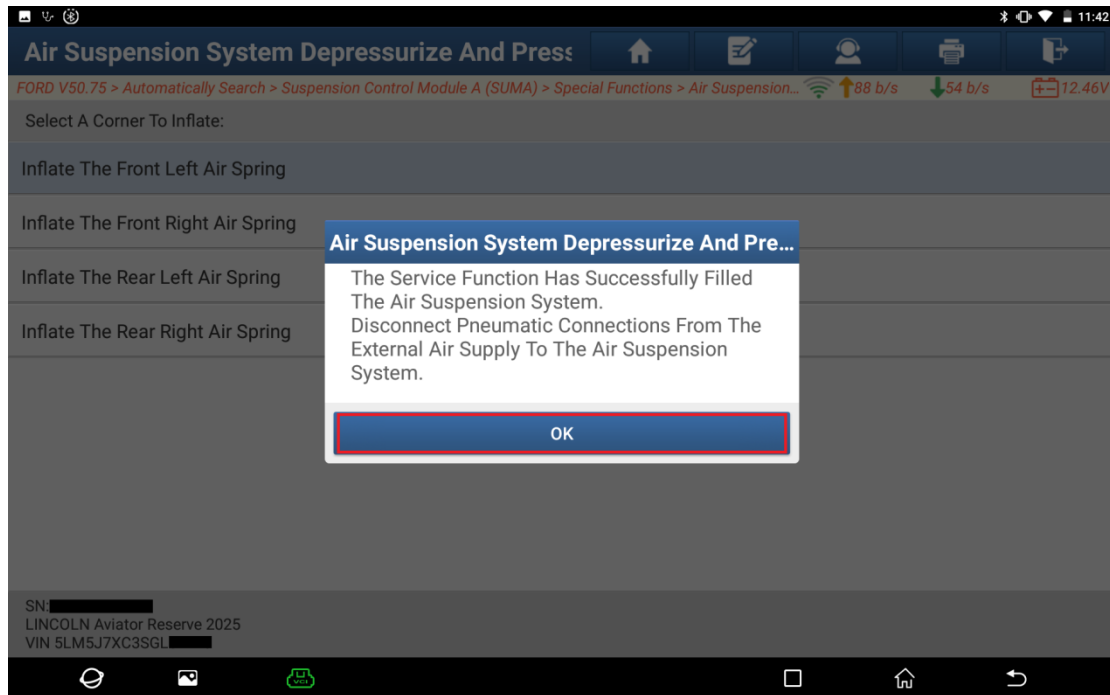
32. Operate according to the prompts.



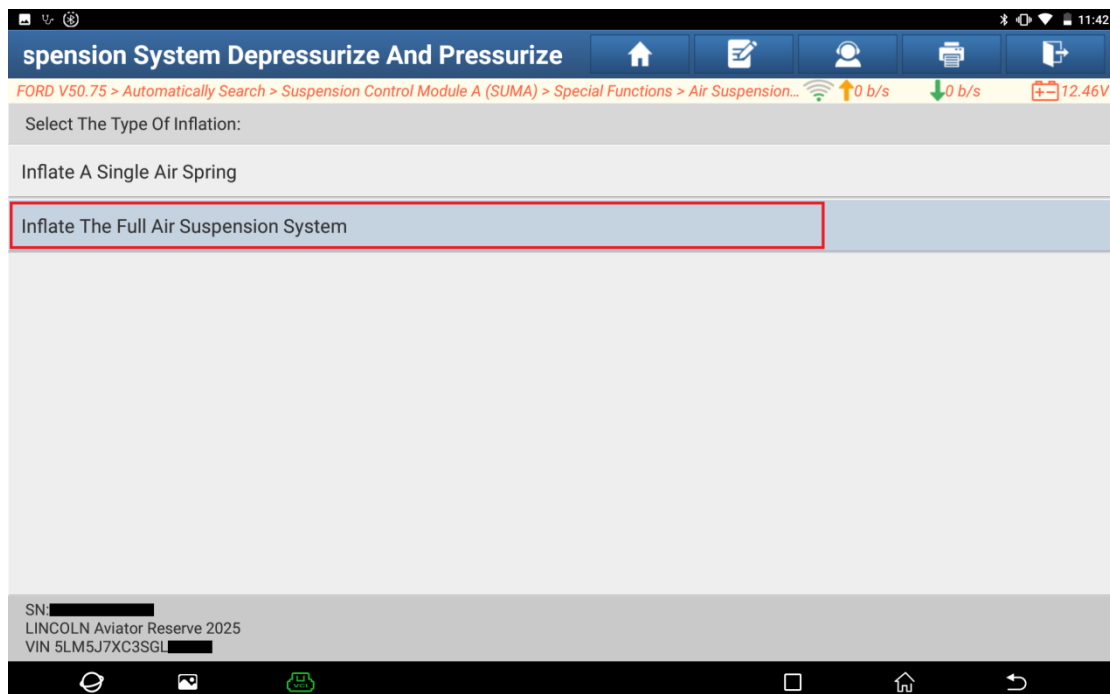
33. Wait for the air suspension system to complete inflation.



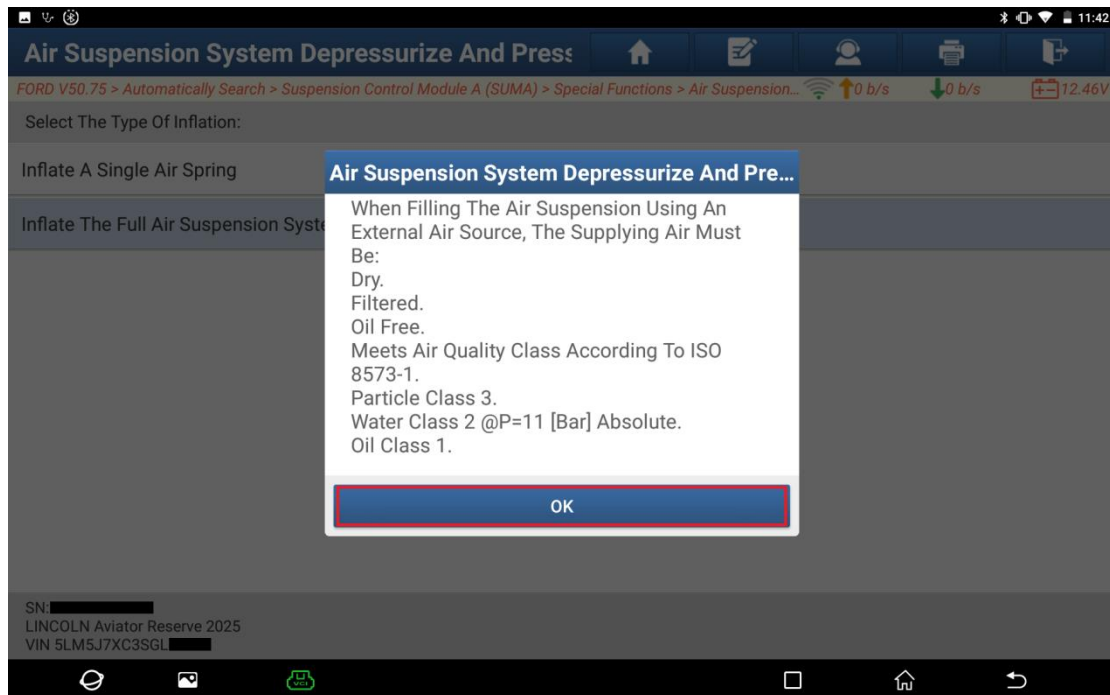
34. Air suspension system inflation completed. Disconnect pneumatic connections from the external air supply to the air suspension system, and click "OK" to exit this function.



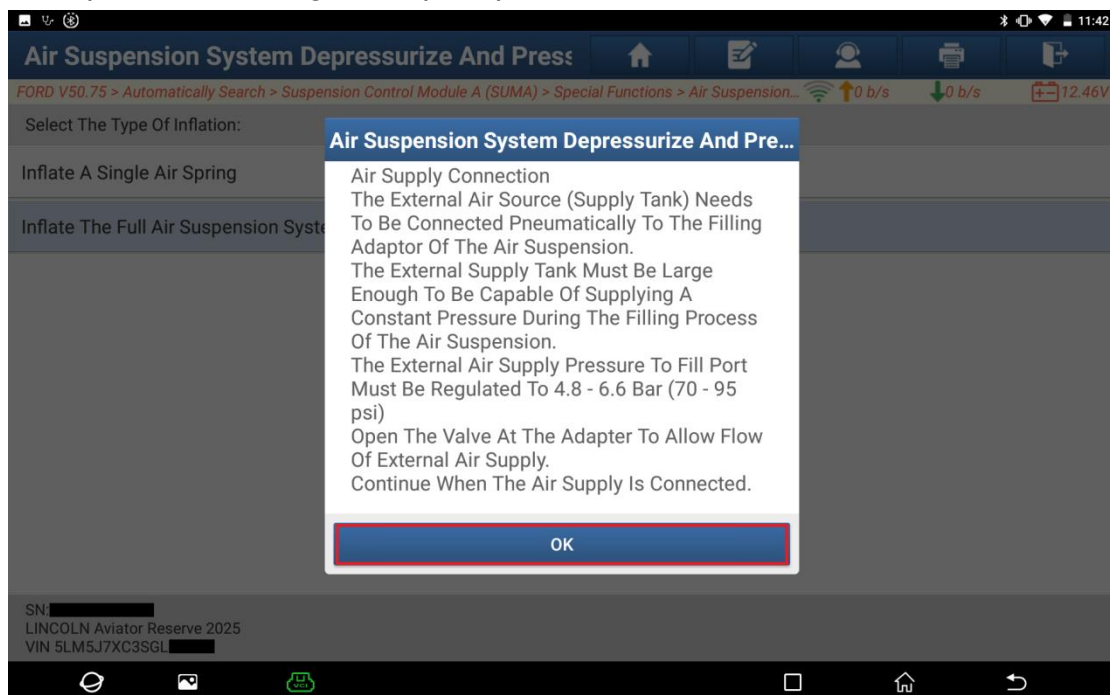
35. If you choose [Inflate The Full Air Suspension System] in step 28, proceed as follows.



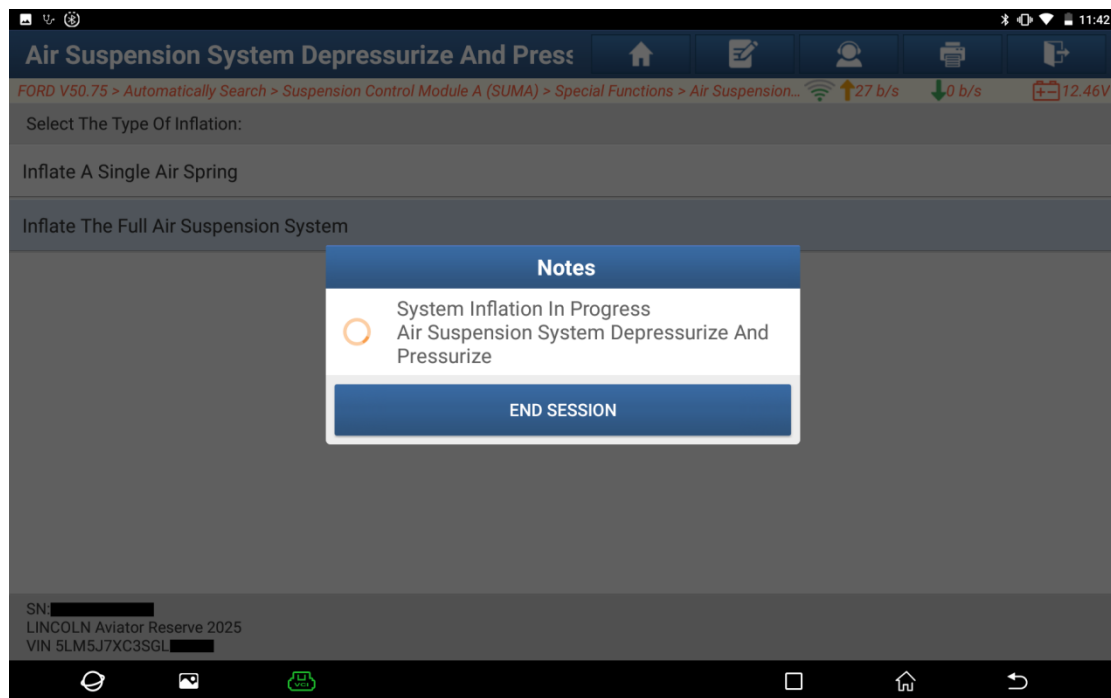
36. When filling the air suspension using an external air source, ensure that the supply air meets the following conditions.



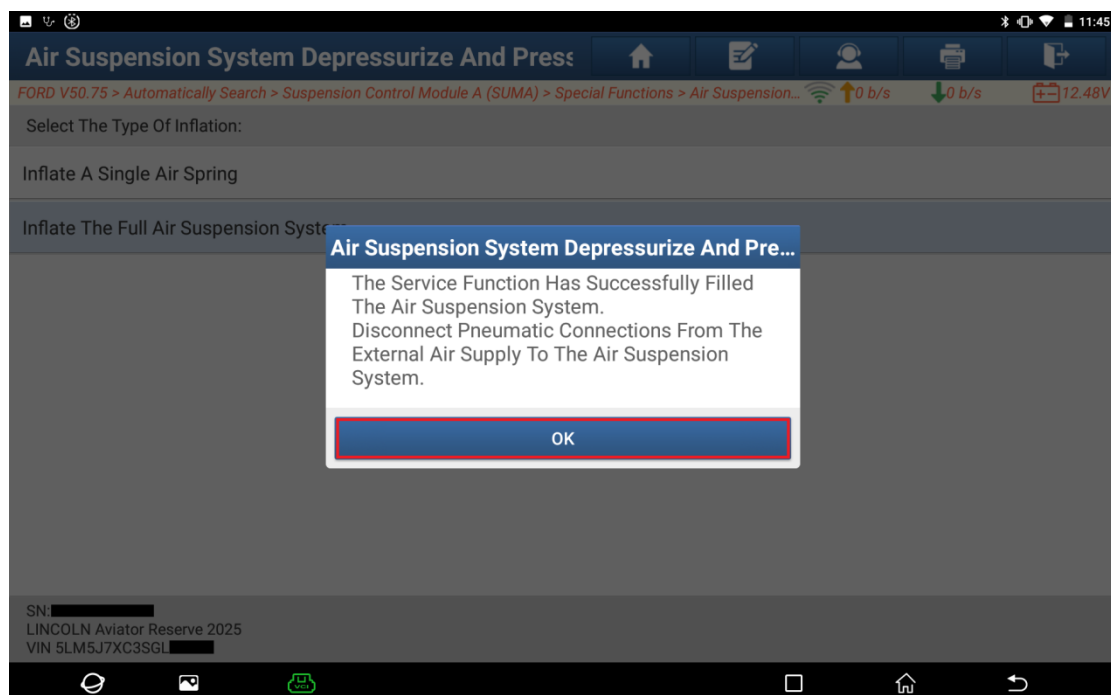
37. Operate according to the prompts.



38. Wait for the system to complete inflation.



39. Air suspension system inflation completed. Disconnect pneumatic connections from the external air supply to the air suspension system, and click "OK" to exit this function.



Statement:

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