

E3 Cayenne Air Suspension Leak Diagnosis

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	2019 - present	All	N/A	Air Suspension

Revision History

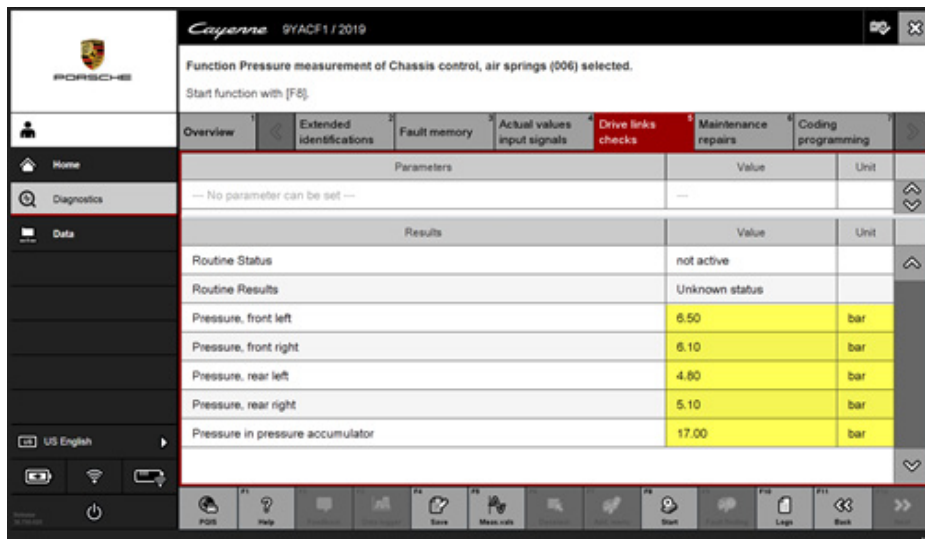
Revision	Release Date	Changes
0	June 12, 2020	Original document

Condition

The vehicle appears to be sitting lower in one corner, one axle, or even all 4 corners in some cases.

Service Information

In an effort to make leak diagnosis in the air suspension a more streamlined process; leaks can be monitored via pressure values for each air circuit in the PIWIS tester.



It is not necessary to remove air lines and plug them with a special tool. The 9YA Cayenne was designed with this new diagnostic process in mind.

As a result, the old 92A special tool (9825 fitting) doesn't fit the new 9YA Cayenne.

If a leak is suspected:

- Check the pressure values of the air circuits in the system.
- Fill any circuit where the value is below the set point
- Screen shot the values (a new screen shot can be taken later to show which circuit leaked)
- Monitor the pressure values of the air circuits at selected intervals such as every 2, 4, 6 hours or more.
- Once the circuit with the leak is determined, then further investigation to find the exact source of the leak may begin.

This is a more efficient method than disconnecting each circuit and installing a tool to isolate that circuit.

Warranty

Be sure to attach relevant screen shots of the pressure values to the job line to support an air leak.

- Set point pressures put in the vehicle to start the leak test
- Actual pressures after X amount of time that shows the leak.

Code the cause of failure and labors according to the diagnosed failure.

Search Items

Air suspension, leak, air leak, diagnosis, leak diagnosis

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